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        <220>
        <221> misc_feature
        <222> (1)...(792)
        <223> n = A,T,C or G

        <400> 220
cctcttttta ttcctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa      60
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaaccaagt     120
ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaaacat     180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca     240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag     300
tatataatcc ttcatagagt gtcagtgact tcatatttat aattacattt ttgtatatta     360
gcagtgtttt agttcctact gccttatctt taagctgann nnaaataaaa ttatattttg     420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat     480
atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctcccact     540
tctttgtcgt ctttgtagct cccacaacat ctagaacagc acaaccgtat atggagaaac     600
ctcagtctag tatttgttga atgactaatg gaaaatttag ttnataaaca gaactttctt     660
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaattat catatttacc     720
catctgnccc ngttatttta tctcttttgg ctaanaattt tgaaaacggt accttttacc     780
ctttggcatt tt                                                         792

        <210> 221
        <211> 759
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(759)
        <223> n = A,T,C or G

        <400> 221
cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct      60
gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt     120
cactgatcca tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga     180
ttaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgccc tcatttccta     240
catanccact tgcatttatg gttggctttt gaccttgcca gaagggaaag aagtgcaaat     300
gtgtcctcct tagagctact ctcctcccct tggtgggttt ccagtttgtg cattgtccag     360
atggcccagg agctcacgat caaagggaag aagtcatgtt tgtcatgaga atgctttgct     420
gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcaggc     480
tggagctcag aaaccatcac tgaggttaga aagtgagcac caaagttgag ggaagcccac     540
aggagtgagc cgaagtgctc cctttggatt tccaaagtgg gtgctgctgc ttctttcatc     600
agccttgctt ctgaccccaa tgcgttcctc gtgccttctt cttggcattt tgctgtcggg     660
ggcccaagga aaaaaattcc tgcatggcag tggtgaaaaa agatggctgc ctgctgaaac     720
ctgatttggc ctgggtaagc cttttggagc cccggttaa                            759

        <210> 222
        <211> 699
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(699)
        <223> n = A,T,C or G
```

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      <400> 222
ctttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag      60
ccacactgac ctctggnctt nttnncgccc gatgattttt aattagttga atccctttac     120
ttgttatata tgtattccta tattctgttc cttcttggat ttacttttat gattggtgcc     180
[illegible] tttatttcta gtttatggta cttcatgtgt ttaggttttc tagacactgg     240
acatagaaga ttcaagaagc taaatgtagg aggatgtnta atgtaggana ntgagggnac     300
natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact     360
gccatagnta atattgatgg tgtaagtcaa ataanaaggc aggaggaaag ggacatccat     420
cactgaacca canatcagag nctcattgaa gcctttgaga agaatccaca aaattttaca     480
ggataattcc tttcctgcga tcaccacnag aagagaaact ggttaaacag acaggtattc     540
cagagtccaa aaatttacat ttggtttcng aaccaaagac ctcagctccc aggccacagc     600
aaaagcgggc ttatgaattc cctggcaccc agnccaaaga cccaanaacc ttatcttgat     660
tggtttnggg cttgggaaac caaaaaacca atgggtggc                            695

      <210> 223
      <211> 598
      <212> DNA
      <213> Homo sapien

      <400> 223
aaaaagagaa agtttcagat ttgccattca aggcttattt atatatatgt gtgtgtatat      60
aaatacatgc acacacttgc atacatatat atttttggct ggggagtgt gagttttgcc      120
tttctaaggg agggacccg caggctcctt tgttctgtat tctggcggag atgggtcctg     180
gccttgtgtc actggcttat ccttaaagat catctcccat cctcccccagc gccatctgtg    240
tgcagcaacn agaaagggat gaacttggcc ctcttgcggg cctggacaag gtctcttcct     300
taccctttct gttgccagtc agcaacctgt aactcacatt ctcttcccag tgaatccctg     360
ggagcgcctg accctggtgg gctgttcagc ttcctgctgc tggggccagc aatttttgag     420
gattttattt taggccaggc ttgcctccgt acttatccct gctctcccat ttctctcttg     480
tttgagagag aatgaggaag caaagagtga gaaagaatag gggctgaaga cagccactcc     540
agacggctct ttctatccta ctcttctgtt gaaacacacg tgctgtgggc ctcaggcg       598

      <210> 224
      <211> 501
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(501)
      <223> n = A,T,C or G

      <400> 224
aaacctttat gatgacttcc ttatgaatta ctgaacgaac actggaatgg gactcaggta      60
tcctgaggac atctctcaac tctggcctta gttccccctc tgtaaaatta gggtgccaac     120
taaatgatct acaaggtccc ttccagcgcc gccattctgt aattacatca tgtgtaactg     180
tattaaacat acacaagtga ctgccaggca tgggaatgta acttccgagt aaatgctttg     240
gtttgttcag aatacactat gaactccttt ccaaagacgg gttgtggtaa atagtggata     300
ttttgattat aagaaataga gtttccttga agctttagct ggagatacag caatagtgtg     360
gtgttcctac aaatatcaca gtgtattcaa acatattttt ctatcaaaaa tcatttttgt     420
aaaagctgtg tgtttttatc caacttgtga taataaatgt tctttatttc agaacaaana     480
aaaaaaaaaa aaaaaaaaaa a                                               501

      <210> 225
      <211> 295
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<212> DNA
<213> Homo sapien

<400> 225
cctgtatagg gctcgtttcc ccacacatgc ctatttctga agaggcttct gtcttatttg 60
aaggccagcc cacacccagc tactttaaca ccaggtttat ggaaaatgtc aggaaaaaaa 120
aaaaaaaaaa cacatgcact cacacaatac ccaaacatca raattagaag ggcataaaac 180
agggggcttt ataggctgaa aaatacctta ratttcaraa cagaatacca atcaaatatt 240
gaaaattcct ttgttcaaaa cacaaagatg ttttgttttt aatgggagtt ttttt 295

<210> 226
<211> 372
<212> DNA
<213> Homo sapien

<400> 226
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg 60
gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt 120
ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca 180
ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat 240
tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat 300
taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tctagtccgt 360
atgaaatgaa at 372

<210> 227
<211> 599
<212> DNA
<213> Homo sapien

<400> 227
ggcccccgtc gcgggagccg cttcgggcct tctgggcatg tctgccatat ggctccaggt 60
ttgtttttct cccgggcact ctgacgggga gggctcccgg catctcctgg catccgggta 120
gaggacgcgg aggatgctga gctgctggcg cactgcagca caactagaga tgtacggatg 180
cccccatctt gatcttacag aatcagaggt acagccgcga gaaagagtca agaacagaca 240
gagtcgcttg aggactcagg agggtgtttg ctgcgttgac aacagactac accctcacag 300
tttgctctgc tcttccaaca ccagtggaag atgatcacat cccagggatc agtgtcgttt 360
agggatgtga ctgtgggctt cactcaagag gagtgacagc atctggaccc tgctcagagg 420
accctgtaca gggatgtgat gctggagaac tacagccacc ttgtctcagt agggtattgc 480
attcctaaac cagaagtgat tctcaagttg gagaaaggcg aggagccatg gatattagag 540
gaaaaatttc caagccagag tcatctggaa ttaattaata ccagtagaaa ctattcaat 599

<210> 228
<211> 343
<212> DNA
<213> Homo sapien

<400> 228
aaagtaaatt gtatgaaaaa ttcatttctt caattgcatt agccacattt tgagtattca 60
tgtggctggt agattctgta ttagcacaaa gatatggaac atttccatca ccacagaaag 120
ttctgttgga cagcactgca ttagaatatt ttcatactgc tcttcctcaa ttaatttttg 180
ttgttaatgt tgatgtcttc attggatggg tcataatgtt ccatgaaacc gctcaagtac 240
acaattgtat gttctttgta tcccttacca caaatatctc gctctgctca tttcttttgc 300
agcttcctat aaagtttgtc ttcctcaaaa aaaaaaaaaa aaa 343

<210> 229

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      <211> 417
      <212> DNA
      <213> Homo sapien

      <400> 229
[illegible] [illegible] gtatggttct ggatggttcc cccaagggag caggtatgta       60
ggaggtgaag aaaactgaga tttcaagtat gggagaattt ttactatctc cattcctgga      120
ttaaaagtgc tgaaaaagtc cacagttaaa cattccttta ttcaccctat ggctcccaag      180
aaaagcattc ttcctctgga gtactggtgt actaagggga caatacacca aatttgttga      240
gtttacaatc aagtctacta aggttggact tccttatcag tttggcagag tcccagggca      300
gaataatcat ccatctacag gtctctgttt cctctccctc cgcagcagtg gagagcatcc      360
cagtgtttgg ggcactgtgt tcctcttcgt ccctgcacca gaccctggaa gccttgg         417

      <210> 230
      <211> 462
      <212> DNA
      <213> Homo sapien

      <400> 230
gaaataccag aagagaaagt ttcattgtgc aaatctaact tcatggcctc gctggctgta       60
ttccttatat gatgctgaga ccttaatgga cagaatcaag aaacagctac gtgaatggga      120
cgaaaatcta aacgatgatt ctcttccttc aaatccaata gatttttctt acagagtagc      180
tgcttgtctt cctattgatg atgtattgag aattcagctc cttaaaattg gcagtgctat      240
ccagcgactt cgctgtgaat tagacattat gaataaatgt acttcccttt gctgtaaaca      300
atgtcaagaa acagaaataa caaccaaaaa tgaaatattc agtttatcct tatgtgggcc      360
gatggcagct tatgtgaatc ctcatggata tgtgcatgag acacttactg tgtataaggc      420
ttgcaacttg aatctgatag gccggccttc tacagaacac ag                         462

      <210> 231
      <211> 328
      <212> DNA
      <213> Homo sapien

      <400> 231
ctgtgggttt tcctaaacgc ccctcatctg gttgaagccc tagtgtttct ttctcacatc       60
agaggcaaat gcattggggt gggtctggtt tggacaataa atttcctctg gtttggacca      120
agaaaaacag agttctttga ccgctaacat atatgtaaaa agaaagtttg taaaaacaag      180
agttaaaatg cttctaacag tgtggtcatc actgcacagg acactggaat tggcattcgg      240
ggttgtgtct gtccatgtgg tttcgttgta tgtcatgtgc tctcagctca gacagagaca      300
tccaattgac ttctgacttg ggcatttt                                         328

      <210> 232
      <211> 595
      <212> DNA
      <213> Homo sapien

      <400> 232
cgccaatttt agcaaataag agattgtaaa agaagcagat tgaatgaaga atttttagct       60
gtgcagatag gtgatgttgg gatggaaaat gctaatcaac taccctttct tttatcaagt      120
aattaaaata aatctacata aagaaccaaa aaggctgttt tataaaagtg aaatatccag      180
tatttcagag ggccaggcaa gagcacttca gatgaggcag tcaaaatcat ttttttccag      240
tgaggataga ccacaagtgg gtggtgagac cattgaaagc ctttatcaac tgaagagtcc      300
atttaacagc ataatttgtg ggaagactgg aatagggctg aataaatgtg tttgaatctc      360
taattttata ctttcttttc ctgaggaact tgatttttct gtccctggat cgccttgtca      420
taattgggtc tgttcctttt actaccactc ttgagtccat atatgaaatc attaaagttg      480
```

gatgatcagt tttttataaa aatatatatt tttgtccaag aaaaaaaaaa gcatacatat 540
gtgattatgg ctaaatcaaa ggtaactgga atgtatatac ttttgctaat gttcc 595

<210> 233
<211> 600
<212> DNA
<213> Homo sapien

<400> 233
atgaaggtaa actctaaaat cttcataggt caacaaagaa aatctatcct tcacacttat 60
ttctagaaag cagcagggct tatttcctag attgcttaca atgaagctag aatatctgcg 120
ataactgtag agtttcaaaa aggatcccta gggctacttc tacgttctcc ttaccagttg 180
agcactctcc ataatttcca gacgggtcat ggggagaaat gatagaaatg agcgtgggaa 240
gaaagacaat gaaattagaa atgggtgaga cacatggtgg tagaatgcta agagcaggga 300
tcaggacaat caaccaggtg tctaggaagg gtcaagtcac cagtgtcatc tgctgaccaa 360
tgttaggaag aaataaactc aaaggaaaca ccacattttt ccaattaaac tcaaatctat 420
tgacttgtgg tggttctttg atgttgtggg gactgctata acagaaacca attggatttt 480
caagggcaag aaactttgcc actgaataag atgatgtcat ccttcctgat aacaaatagg 540
aatgggtggt cagctctaaa cagcgtggac tgagggagtt gcttttctac aatattactt 600

<210> 234
<211> 500
<212> DNA
<213> Homo sapien

<400> 234
aaattcctaa ttcttttact atcttctcaa cttttcccaa agataaaata aatttcacat 60
aatttcatgg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg 120
cagtgttttc tcactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaaat 180
gtctgctaaa ccatagacag acaacctctt tgtgactggt attataaggt ttataatgaa 240
aacttatcaa atataaaagg tgctccctct tgaaaatgtg tattttattt gaagttttga 300
gtaagaggtg agtgcttggc aattttcaac actcccctca aaaatctccc aaagttgcaa 360
aaaagtcagt ttagtaaaat tccaagcact taaatgcttc attgagggcc agttgatata 420
cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt 480
actttttcct tccagttttt 500

<210> 235
<211> 159
<212> DNA
<213> Homo sapien

<400> 235
aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caactttcag gccacagttt tgaaggtctg aagtattaag ttggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 236
<211> 254
<212> DNA
<213> Homo sapien

<400> 236
aaataagtga ataagcgata tttattatct gcaaggtttt tttgtgtgtg tttttgtttt 60
tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata 120
agagggctta agaatttgkc catttgcatt cggaaaagaa tgaccagcaa aaggtttact 180

aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa 240
gctgcaagag gact 254

<210> 237
<211> 591
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 237
tttttttttt tttttttttt ttttttccta atttttactt tttctcaagt ttaatgtara 60
catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct 120
tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat 180
ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact 240
gatgatttgt attacaattt ttaaaatatt taaaacctac acagatttca taratcattc 300
cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc 360
cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa 420
ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg 480
tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg 540
atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t 591

<210> 238
<211> 252
<212> DNA
<213> Homo sapien

<400> 238
aaatggcttt tgccacatac atagatcttc atgatgtgtg agtgtaattc catgtggata 60
tcagttacca aacattacaa aaaattttat ggccaaaaat gaccaacgaa attgttacaa 120
tagaatttat ccaatttgga tctttttata ttcttctacc acacctggaa acagaccaat 180
agacattttg gggttttata ataggatttt gtataaagca ttactctttt tcaataaatt 240
gttttttaat tt 252

<210> 239
<211> 153
<212> DNA
<213> Homo sapien

<400> 239
ccacaataaa gtttacttgt aaaattttag aggccattac tccaattatg ttgcacgtac 60
actcattgta caggcgtgga gactcattgt atgtataaga atattctgac agtgagtgac 120
ccggagtctc tggtgtaccc tcttaccagt cag 153

<210> 240
<211> 362
<212> DNA
<213> Homo sapien

<400> 240
aaaaaaacca tctaaaagtg gtttttlaat atatatattt ttttccaagg aagaaatttc 60
ttgcttttac tcagggaaaa aaaaaaatta aggtacattt gagtagaatg atttcatcta 120

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aaagagttct ttcaggagac atctgtgatt cactgcattg tttttatttt cttctttttc     180
ctcttctttt ccaacatttc taccattttc ctcttcttgg ttgatatcag gccactttct     240
tttgttgctt tcttactgtc acctgttaaa ccgcgtttct ttgtgttagg ttttgaccgc     300
ttttcttctt tgtgcactgt gtcaccaggc tcctttttgc caattttgga ctgttctttc     360
cttacagcag aaggctctgc ag                                              382

      <210> 241
      <211> 400
      <212> DNA
      <213> Homo sapien

      <400> 241
ggcatgagcc accgcgcccg gccctatctt ttacttttat aaatagagat gaagtttcac      60
catgttgccc aggctggtat cgagctcctg ggctcaagcg atcccccaac cttggccttc     120
ccaagtgctg ggattacaag cgcgagccac cgaaattatt cttaactagc aagactaggc     180
tctgacatca catccttata gttacatccc tttaagcagg gttcagccac tcactctgca     240
cctggagaac ttgatggtta tccctcgaag tgacagtcct gcaaatgaca aaaacactcc     300
aaatctattc ggttggtgca aaagtaatta cgctttttgc cactgaaggt aagtcccaca     360
ggaccctgag ggaaatggga gggtggggta tacatagcag                           400

      <210> 242
      <211> 75
      <212> DNA
      <213> Homo sapien

      <400> 242
acttacatat gcagacctga cactcaaggg tggctagcta cacagagtcc atctaatttt      60
tgcaacttcc tgtgg                                                       75

      <210> 243
      <211> 192
      <212> DNA
      <213> Homo sapien

      <400> 243
gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa      60
ggaaaagaaa gacaaggaca agaaggaagc ccctgctgac atggagcaac atcagggagt     120
ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcatt     180
acgaaccttt gg                                                         192

      <210> 244
      <211> 616
      <212> DNA
      <213> Homo sapien

      <400> 244
aattttatag ccatatactg accattctaa aaataacaaa atacatgttg ctctcaacta      60
catagttaaa aaaggtagta aattctctta cccaaaatag aggaggggtg ggctagtgag     120
ctgctcaaac atttgtaaca aataaaaatg tatctatata catataatga tcatgttttc     180
atagcctaaa atcaccatac aaaatctaat aataaaattg tgtcgtgttc aggagttggg     240
aagccaacac attaaattaa caaagtattt ttggtatatg taaataatgg gatagaatct     300
ctcgaatcag gattgtccca gaagttctaa ggcagatgtc aatgacatgc acattgtcca     360
tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat     420
tacttaactg ctaaaaagta cttcaagatc ttgcactgcc ttgagtgagt ataatcaaat     480
tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccaaataa     540
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ctgtttgttt ttaccaaata aactggtaag atgatatcac aaagggtttt aagttatttt 600
gctatacaag gttttt 616

<210> 245
<211> 165
<212> DNA
<213> Homo sapien

<400> 245
ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta 60
atttcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccgc 120
taccctgaag gttatagaac actcccaaga aacagcaaga caagg 165

<210> 246
<211> 229
<212> DNA
<213> Homo sapien

<400> 246
tgtactggat ccctccaggt aggggcgact ctcacctgac tattacaata gcctcctaag 60
tggtttccct acttgcaacc ttgcccgtat aatatctatc ctccacacag caggcagggc 120
gatcctttaa gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct 180
cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg 229

<210> 247
<211> 338
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 247
ggaaaccgtg tgtacttatc ctggatgatg ccaccagtgc cctggatgca aacagccagt 60
tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgctca gtgcttctca 120
tcacccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg 180
ctatccggaa gggggaaccc caccancagc tcatggagaa aaaggggtgc tactgggcca 240
tggggcaggc tcctgcagat gctccagaat gaaagccttc tcaaacctgc gcactccatc 300
tccctccctt ttcttctctc tgtggtggag aaccacag 338

<210> 248
<211> 177
<212> DNA
<213> Homo sapien

<400> 248
tgaaaacaaa tgaattctca actcctacgg ttcatgtaga gtttagagaa aatttccatc 60
attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt 120
ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttctcc gtgacaa 177

<210> 249
<211> 263
<212> DNA

<213> Homo sapien

<400> 249
```
aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac aaatcatgaa      60
cactactcca ttcccataca cataattgca cacgagtagc tcaagttcat ggacataaaa     120
acatacacag tatctattca gactttttac agcagaggac agcgtactta ttatcagtta     180
attggtaatt actttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaag     240
aatcaaagtg atctgattac ttt                                             263
```

<210> 250
<211> 333
<212> DNA
<213> Homo sapien

<400> 250
```
aaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca      60
ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat     120
ttctatttct tggtggagca gcacattgtg gagtgtgatt cttaattctt cattgagttt     180
gtcaatcggg cattgatgct ggataggttg tcttttgttt ttatgcctca gaccatcttg     240
tgagattgtt tgcctatctc ataatacagt tttatgcaga aaggttgaaa ctatgtaaat     300
ggtttttatg gaaattatca gttacaatat ttt                                  333
```

<210> 251
<211> 384
<212> DNA
<213> Homo sapien

<400> 251
```
gaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa      60
tatcttaata tatccccgaa ctggttagga tagatacaaa tagatttttt ataataaaaa     120
attcacaaaa gcttggaagc attctataat gaaaatggta gaaaagacag tgtgagggga     180
gccatggggt ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata     240
gcatagtttt actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa     300
agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga     360
aggggaccga gcaagaactt tcag                                            384
```

<210> 252
<211> 211
<212> DNA
<213> Homo sapien

<400> 252
```
aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttcttct cctccggatg      60
tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggatggga tgggatggga     120
tgggatggga tgggatagga agagaggctg gggaatgggc agagaagggg gtgctgagtg     180
tgctgtgaga tacagcaaga tcacaagaag g                                    211
```

<210> 253
<211> 135
<212> DNA
<213> Homo sapien

<400> 253
```
aaaaattgtt tcttgacaag ctgacttggc acttaagtgc acttttttat gaagaaaaag      60
tacaatgaac tgcttttcct caagcaataa ttgtttccaa cttgtctggg aattgtgtgt     120
```

```
ctggtaactg gaagg                                                   135

      <210> 254
      <211> 361
      <212> DNA
      <213> Homo sapien

      <400> 254
cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttgaacc aatgagggtg     60
aggttacagt gagcccagat catgccacta ctctacaggc tgggtgataa gagtgagacc    120
ctgtatcaaa aaaaagacaa ggaaaaaaaa aactgggccg tttgttttg cagaatgtct     180
ctcaatttgg actttttggg caggaataca atacaagtga tacaaatgct tctttaacat    240
tagaacctgt ataaaattac cattacagac cttgctattt tacttatagg taaatcactg    300
tttaccaagg taagtctttt gggaatttcc aaaaatgaag tccatggaca gttaaaaact    360
g                                                                    361

      <210> 255
      <211> 331
      <212> DNA
      <213> Homo sapien

      <400> 255
aaaaaaataa ataatccacc aacgtgattg accttggcga gatcatgttt ctagtctata     60
cctcagtttc cccatctgta aagtgaggat aatgtcccac cccatgtaac tgtggtgagg    120
acccactgca acactgtgcc tgcgagtctc cttggaaaag tgtaaggttc taccaaaatg    180
gaaagtgatc tgatcacact cagtgtcccc agcccagcct ttcagtgccc tggccctggg    240
gtgggggaca atactctcct cacccccttc actagtcttc atgaatagca aggaggccat    300
aacataattt ggtctaaacc ccttcctttt t                                   331

      <210> 256
      <211> 186
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(186)
      <223> n = A,T,C or G

      <400> 256
cctttgggcc cttgcacttt gacctgcaat ggggccacac cagccttgct tgtgtccacc     60
tggaaggact gagggaggtt ggcacgaacc atgcctgggc tcaggccggg ccccnagcac    120
ttgaccttgg acgcatctgt cacatcatgc acagggacct tgaaaggact gcctggcact    180
tgatgg                                                               186

      <210> 257
      <211> 255
      <212> DNA
      <213> Homo sapien

      <400> 257
ctggggtccg tcaccgacct ttggggaact gggctacggg gaccacaagc ccaagtcttc     60
cactgcagcc caggaggtaa agactctgga tggcattttc tcagagcagg tcgccatggg    120
ctactcacac tccttggtga tagcaagaga tgaaagtgag actgagaaag agaagatcaa    180
gaaactgcca gaatacaacc cccgaaccct ctgatgctcc cagagactcc tccgactcca    240
```

```
caccctctgc ggcag                                                      255

      <210> 258
      <211> 604
      <212> DNA
      <213> Homo sapien

      <400> 258
ctgaatttgc aatggagttt ggtggtgcaa tcggtattga ttagtttggc atagacagat      60
gcagcagttt agagcaaaat cgagaaaatg attttttttt tcctccttga tttcctggca     120
gaagatatct tactttttca gcaaactttt cttttaacac taaagcagcc taggcaatg      180
ccagatactt agaccttttc tcttgattat aagtagaaat gggggtgtct ggctagagg      240
tggagggtgg atgtgctgtc gtcacagtct agctggcagc aagcaaggca aaagcagaga     300
ctgctctaga agcggttcca agcagcagag acgtcaggaa aggcacttct tagtaccaac     360
ctctatgctt taatagttgc ttgttaagct gcttcatggg ttgagacaaa ctaccagcac     420
ttcaaagagc tcagttctct gctcaactct cttctctagt tacattattt tttttccttc     480
aggagactga ggcaggaaaa tcgcttgaac tcaggaggtc gaggccgcag tgagccaaga     540
tcacaccacc gcactccagc ctgggccttg caaagtgcta ggattacagg aatgagccac     600
cagg                                                                  604

      <210> 259
      <211> 429
      <212> DNA
      <213> Homo sapien

      <400> 259
aaaaatgtct gtatcgagat cttccagttt gaagtcttcc tcctctgtgt cttcccaagg      60
ctctgtggca agctccactg gttctcccgc ttccatcaga accactgact tccacaatcc     120
tggctattcc aagtacctgg gcacccccca cctggaactg tacttgagtg actcacttag     180
aaacttgaac aaagagcggc aattccactt cgctggtatc aggtcccggc tcaaccacat     240
gctggctatg ctgtcaaggg gaacactctt tactgaaaac caccttggcc ttcattctgg     300
caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca     360
gtaactgctc cgtgttcaga ctcctggttt cttccaggct tacagtggac atcatcagct     420
tcctgctttt                                                            429

      <210> 260
      <211> 385
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(385)
      <223> n = A,T,C or G

      <400> 260
ctgcaacaca tgcagcacca gtctcagcct tctcctcggc agcactcccc tgtcgcctct      60
cagataacat cccccatccc tgccatcggg agcccccagc cagcctctca gcagcaccag     120
tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana     180
cgcatatggc agacggattt gcgtatacca aggagagtgg cataggaggg aaaagcatat     240
gtggctgaaa cctgtaagtt ggtgttggtt atgcagaaat gtgtaacaga tcaaacggtc     300
ctctcaagtg tctattanat aggcaataag aactgcagtg tagctgagtc acatctttta     360
gctgactata aatcactttg ttttt                                           385

      <210> 261
```

```
        <211> 230
        <212> DNA
        <213> Homo sapien

        <400> 261
atgtactgga tcagtcaagg tgggggcgac tctcacctga ctattacaat agcctcctca        60
gtggttccc taottgcaac cttgcccgta taatatctat ccttccacaca gcaggcaggg       120
cgatcottta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaagc       180
tcgccacctc cttacagtca ccgctgaacc cgtagcagag gttcaggagg                  230

        <210> 262
        <211> 198
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(198)
        <223> n = A,T,C or G

        <400> 262
atgttaagta aacatgaaat ctatataaca gaacaaaaat tcactcttat gtcaatgtca        60
gcgtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt       120
taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtccct ggagtttcac       180
ccagcttttc catgaatg                                                     198

        <210> 263
        <211> 157
        <212> DNA
        <213> Homo sapien

        <400> 263
aaaatatatt tctaaacaga atgggccgac tcagtcacag taactgttga tctccatagt        60
agagcaaccc acaaagacag aactgatttt tttccccatas tcaggggtga aaaatataca      120
acttgtttct gaaccaaaac cacaatttct gcagttt                                157

        <210> 264
        <211> 290
        <212> DNA
        <213> Homo sapien

        <400> 264
ctggctactc caagacccty gcatgaggct gaggacaact tacaagggct tcacccgaagc        60
agtggacctt tattttgacc acctgatgtc cagggtggtg ccactccagt acaagcgtgg       120
gggccctatc attgccgtgc aggtggagaa tgaatatggt tcctataata aagacccogc       180
atacatgccc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac       240
ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg                  290

        <210> 265
        <211> 234
        <212> DNA
        <213> Homo sapien

        <400> 265
aaaaaaagga aaggaaagag aggaaaagaa aataaaataa gacaatttat tgcttctcct        60
```

cagcatcctc cttggtctcc tccttcaccg agagagcttc tagcttttcc gccacttttt 120
cggcatgatc atttttgcct gatcctttct tttctctctc ttcgatctct ttcctgcatt 180
cttcaaactt tgttttgaat ttctgtgcat tctcagcatt caggaagcgg atgg 234

<210> 266
<211> 335
<212> DNA
<213> Homo sapien

<400> 266
gtcctcatca tcccagtttg aggcagtgct ggagtgggga aggccgtctt agaccataga 60
ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca 120
gatgcccaaa caggagaagg cacttgcccc cggtcatacg gcaggttgcc acaaaaccaa 180
gatggcagcc cttcctcagc gtgcctcact gccactccca gagccaggga gccccataaa 240
acccacatca tgtcctaaga gtatatctgg ctccttgacc agcaatcggc cctgggagcc 300
acccggtggg aaaagcgcct ctgccagagt ccagg 335

<210> 267
<211> 619
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 267
tggagctctg acgaagggat cggggaggtg ctggagaagg aagactgcat gcaggccctg 60
agcggcctna tcttcatggg catggngtcc tcccagtacc aggcccggct ggacatccng 120
cgcctcattg atgggcttgt caacgcctgc atccgctttg tctacttctc tttggaggat 180
gagctcaaaa gcaaggtgtt tgcanaaaaa atgggcctgg agacaggctg gaactgccac 240
atctccctca cacccaatgg tgacatgcct ggctccgaga tccccccctc cagccccagc 300
cacgcaggct ccctgcatga tgacctgaat caggtgtccc gagatgatgc anaagggctc 360
ctcctcatgg aggaggaggg ccactcggac ctcatcagct tccagcctac ggacagcgac 420
atccccagct tcctggagga ctccaacggg gccaagctgc cccggggtat ccaccaagtg 480
cggccccacc tgcagaacat tgacaacgtg cccctgctag tgcccctttt cacggactgc 540
accccanaga ccatgtgtga gatgataaag atcatgcaan agtacgggga ggtgacctgc 600
tgcctgggca gctctgcca 619

<210> 268
<211> 147
<212> DNA
<213> Homo sapien

<400> 268
cctataaccc agacaccagc atggacaaaa ctcagttata ctgaactcag agacaaaatt 60
cagtgacact cttctaccac ttatttaggg ttctacagca tttcactgag cagacttagt 120
tttttgtttt tgttttacaa accttt 147

<210> 269
<211> 325
<212> DNA
<213> Homo sapien

```
     <400> 269
ctgagctgta ggaatgggtt cttggtacac aagatagtat tgttgagcta gttttcgagc      60
tctgtgcaca agcactctgt aatcggggcc catgccactg tacaccaaac ctatatgctt     120
ggtaattggt tctactttgt gtacacttcg ctcatcatac agaatggatt tctgtttttt     180
ctcagttgct aataccacac catttgcagc tttaattccc acggacgggg ctcctccagc     240
[illegible] [illegible] [illegible] [illegible] [illegible] atgtagtcag     300
cgaaaagctg tacccgcgct ccgcc                                           325

     <210> 270
     <211> 428
     <212> DNA
     <213> Homo sapien

     <400> 270
aaacatatgg taaattaccg agtgacacct ctgggctaga gacctctttt gaggggagtt      60
tgcaaactac ggattcaatt tctttaacag ttatgaagtt ctttaaagaa cctgtttggt     120
attggggggt tgtggtcacc tgtgcttttc tgagatttgg cccctacatc taagttgttg     180
aatgcatgtg tgtagagttg tttatggtgc ttccctttct tcttagaagg gtctatagta     240
atatcccctg ccttatccct agtagtacta atttgtgttt tcttacttct tgacaggcaa     300
acacatcaga gcataagtgg ttcctaatgc caagctgacc tcccttgatc tctgtcttct     360
acaggatatt gacatgggac ttctttatta ccttttcagt tcactgatac cttcaaatcg     420
ctttattt                                                              428

     <210> 271
     <211> 206
     <212> DNA
     <213> Homo sapien

     <220>
     <221> misc_feature
     <222> (1)...(206)
     <223> n = A,T,C or G

     <400> 271
cgtcccagag cccacggngg ncatggctgg canagcgctc tgcatgctgg ggctggtcct      60
ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtgngc     120
cgtgcccagc aaggacaggg tggactgcgg ctacccccat gtcaccccca aggagtgcan     180
caacgggggc tgctgctttg actcca                                          206

     <210> 272
     <211> 83
     <212> DNA
     <213> Homo sapien

     <400> 272
ctggcttccc tgagaactca acaatgcctt ttcctgaggg ccttcctcga tcatccacaa      60
tggctacagc cctctctacc tgg                                              83

     <210> 273
     <211> 472
     <212> DNA
     <213> Homo sapien

     <400> 273
ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggtt gtctttctac      60
```

```
tcgggacact cttcctttgg gatgtactgc atggtgttct tggcgctgta tgtgcaggca     120
cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc     180
tttgccctct acgtgggcta cacccgcgtg tctgattaca aacaccactg gagcgatgtc     240
cttgttggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac     300
ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc     360
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg atacccgcac     420
tcctcctcct gaggccggac cccgcccagg cagggagctg ctgtgagtcc ag             472

      <210> 274
      <211> 205
      <212> DNA
      <213> Homo sapien

      <400> 274
ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg      60
tcgcctgcat gggtcgtacc tggatggtgt gtccaccatc gacacggagg ggctggattt     120
gtttctcagg caatcctgta ttttaatttt agatgtattt cctgaagcat atttttcata     180
gaatgtagcg tgtaaatagc ttttt                                           205

      <210> 275
      <211> 308
      <212> DNA
      <213> Homo sapien

      <400> 275
ctcctcgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac      60
gtggttggaa tgtatctggc tcagaactat gatataccaa acctggctaa aaaacttgaa     120
gaaattaaaa aggacttgga tgccaagaag aaacccccta gtgcatgaga ctgcctccag     180
cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc     240
aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt     300
tttgcttt                                                              308

      <210> 276
      <211> 201
      <212> DNA
      <213> Homo sapien

      <400> 276
aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc      60
aaaaataaaa ttttattttg gcaaatgtca tgaagtcgat actggcagca tatggagtta     120
gttaaaaata gacaacaact gctagatata ttcaaaattc tatttttttt tctgagcata     180
gtcaaagaga aattttcatt t                                               201

      <210> 277
      <211> 520
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(520)
      <223> n = A,T,C or G

      <400> 277
aaaaaaaaag tattcagcac catttgctca tnggtctttc agagtttgtt cttaaagttt      60
```

```
ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct       120
gggacagggc gtggggagtt aagcagtcat cataaaggaa tcagtgtaca ttcagcatgg       180
tgacttgact acacaacaat cccttcccct ctactgtagc tcaagagaga catgcttctc       240
acccactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggt cttcccagct      300
aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa       360
[illegible] [illegible] [illegible] aaccaaacgt atttaattag cttcactact    420
ctggcagagt aagggtatgc tggtttagta tctttataaa atatatataa tgtataggta       480
aatcatagtc ttaaatcata cctaaaatac tgtatcattt                            520

      <210> 278
      <211> 264
      <212> DNA
      <213> Homo sapien

      <400> 278
cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggt aactaccccg        60
gctgcgcaca gctcggcgct ccttcccgct ccctcacacs ccggcctcag cccgcaccgg       120
cagtagaaga tggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct       180
actcagggag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tcctgataag       240
aacccaaatg aaggagagaa gttt                                             264

      <210> 279
      <211> 414
      <212> DNA
      <213> Homo sapien

      <400> 279
aaacatacaa taattttat tatggaaatt aatctttaca tacaaaatca gctacgtaat        60
tttacttaca aaacaataaa aactgttcct tactgtggca acaaagaag catttgaca        120
aatgaaaaaa attaatgcaa acaaattaaa acaatgcttt tctttttact tgcttcactg      180
tctcttctat ttattttcta tgatcacttg acacaaacat ggattacttt gatatctact      240
gaaacataaa tgataaggtt cttaaaggtt gaattaaaag tctgggtgtt caatattttc      300
gaagctgaat aaacaaaacg aaattggggt ttgtgattac agaggattta tcattttttc      360
cctttgtcca tatgaaaata tataatagaa aattacccat gggaaaacat tttt            414

      <210> 280
      <211> 262
      <212> DNA
      <213> Homo sapien

      <400> 280
ccaccatgcc tggcctgctt caattttttg atgccacttt gtaaacggca cttaattatg        60
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat      120
ctctttttctg atcccctttta gatgcccagt caacccaggac cacacacaga tttcatttta   180
tttgtagagt atatgaaaag atttaatagt ctcatgcatt ttattttacg tatactgatt      240
tctacgtttt gactgacta tt                                                262

      <210> 281
      <211> 349
      <212> DNA
      <213> Homo sapien

      <400> 281
ctgtgacccg ggtgcatcag tggatatagt tgtgtctccc catggggggtt taacagtctc       60
tgcccaagac cgtttctga taatggctgc agaaatggaa cagtcatctg gcacaggccc       120
```

```
agcagaatta actcagtttt ggaagaaagt tcccagaaac aaagtgatgg aacataggtt     180
aagatgccat actgttgaag gcagtaaacc aaacactctt acgttaaaag acaatgcttt     240
caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcgtt tactagaaag     300
caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag                 349

      <210> 282
      <211> 381
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(381)
      <223> n = A,T,C or G

      <400> 282
aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg      60
ggaacaaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc     120
tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttcccact     180
cactttgcaa ggacccactc atttctgcaa aagacctaca agtctttctg gtctcaattg     240
caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt     300
gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt     360
atttttattt cagatgtatt t                                               381

      <210> 283
      <211> 543
      <212> DNA
      <213> Homo sapien

      <400> 283
aatatagctc ctccctaccc ccaacaatgg accctgccca ttgcctccca gttccttgat      60
cttcctaggt tcccaaactc tcttttccct tttagtttta ttccctccag ccaaacctct     120
cttattcaat attttgagcc aatgggggag ttatgtagat ttttttccct acacattagc     180
tggccccttt tatgaccaat gactcataag gcaagatgtg tggtggcatc ttcggacagg     240
cagcaggctt taataggcca gcctgggttg gtcgaggcaa gcaaagctaa ttggcatgcg     300
tgggaatcaa accccaggcc ctgggctcat tagcccatgg tcaaaacaac tgagccagag     360
gaggtaataa tttgcccaag aatatcagta gttcctttat tagaagaaaa tggctgatat     420
ggaagttggg gaatctgaat tgccagagaa tcttgggaag agtaataagc tcttagtctc     480
aacaaaaagt gttttttcat ctcagcgcgt aaagggtgct atatgggaac aaagaagtat     540
ttt                                                                   543

      <210> 284
      <211> 147
      <212> DNA
      <213> Homo sapien

      <400> 284
aaactggtat tttatctttg attctccttc agccctcacc cctggttctc atctttcttg      60
atcaacatct tttcttgcct ctgtcccctt ctctcatctc tcagctcccc tccaacctgg     120
ggggcagtgg tgtggagaag ccacagg                                         147

      <210> 285
      <211> 316
      <212> DNA
      <213> Homo sapien
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<400> 285
cggccgaggt ctggcttcac tcctactccc tctctgctcg cagcacgtcg gccgccagct 60
ctttgatgtg ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg 120
caaagcgcag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180
[illegible] [illegible] gcttcattca ctttgttgga accctttagc ccaaagcaga 240
caagccccag aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact 300
caaactcatg ggacag 316

<210> 286
<211> 322
<212> DNA
<213> Homo sapien

<400> 286
cctggggagc cctttagtgg ggtgggacct caggcagacc cccaaaccaa agggagccag 60
atgcccaagt tcaagtcatt agtgatatgt ggcagggctg acagagaaat aatcctggag 120
gtctccaaag ctgctgggaa tggaatggcg atgaaaagcg caggagtggg caggtgtgg 180
tgggtgatgg tggcctcact cagagtggac caaggcccca gctccttgcc caaaaccaaa 240
gcccttgggc ccgaagtttt tagcatcaca tcctttgcag taaatctcgc catccttgtc 300
tgccagggtg gttgactcaa gg 322

<210> 287
<211> 364
<212> DNA
<213> Homo sapien

<400> 287
ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctg 60
ctcacagtca agtccatgga tggctatgaa tccctatggg agtgtgtggt tgcactcaaa 120
tccatgatcg gcagcacggc ccaacagttc ctgaccttcc tatcccaccg tggcgaggag 180
acaggcaata tcagaggctc catgaaggtg cgggtgccca cggagcgcct gggcacccgt 240
gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaagcc 300
ccctctgtgt cccgagggag ccaggagccc aggtcaggga gccgcaagcc agccttcaca 360
gagg 364

<210> 288
<211> 261
<212> DNA
<213> Homo sapien

<400> 288
aaaattataa ctactcattc tttctttagc cttagttaat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
cacactacta ccatttacag ttgtaggttt gtaatgtata attatgtaat gcagaaacta 180
gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g 261

<210> 289
<211> 361
<212> DNA
<213> Homo sapien

<400> 289
ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac tttgacagtg 60

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catcgttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca     120
actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat     180
tctaaattta ttgtggtttg cttgctgtgg cttctgctca aattaactaa ggctaaagaa     240
agaatgagta gttataattc t                                               261

      <210> 290
      <211> 92
      <212> DNA
      <213> Homo sapien

      <400> 290
ccactacccg aacttacagg tgcccaaaga agaaagggta taaacggaga ccacctatca      60
ctcatcagaa cctaggatca tcacattcct tt                                    92

      <210> 291
      <211> 287
      <212> DNA
      <213> Homo sapien

      <400> 291
ccatggctcc gctcagggcc ccggtcacct ccgagtcact ctgttccttg actgtctttg      60
tgtttctgta cctcaaggca ctgaagctgg aggactctgt ccatgcctgt gtcaccctcg     120
tgtgggagcc tctgggctcg gcaggtccac atttcatgag ctgaggcgtg ggccagggcc     180
atctggaaag ggaactcggc ttttccagaa cgtggtggat catctgtcgg gtgtgtggtg     240
aacacgttca gttcatcagg gcctacgctc cgggaagggg cccccag                   287

      <210> 292
      <211> 270
      <212> DNA
      <213> Homo sapien

      <400> 292
ccattgtttc ctcgctcgcg aaggctcctt gaacatccct caccttcctc tcccgcctct      60
gccttctgct gggtcaaagg tggccttttc tctccagcct tgaattgttc cctgttggct     120
tcccaagggc ccatctgctg gtacagtcca cacttccaca gccaagaccc gagagggctt     180
tcactgcccc aagcctctct cctgtgaccc tgggattctg tcttggcaga atcctttgtc     240
agcggctctt actctgtcct tcctgtttgg                                      270

      <210> 293
      <211> 333
      <212> DNA
      <213> Homo sapien

      <400> 293
ccatgctcgt caacctggtg tccactgctt gctacgtctc cttcctcttc ctgggctgcg      60
acactggccc tgtgcctggg gttactgttc cctatggaaa cagcacagca cctggctcag     120
ccctggaccc ctactcgccc tgcaataata actgtgaatg ccaaaccgat tccttcactc     180
cagtgtgtgg ggcagatggc atcacctacc tgtctgcctg ctttgctggc tgcaacagca     240
cgaatctcac gggctgtgcg tgcctcacca ccgtccctgc tgagaacgca accgtggttc     300
ctggaaaatg ccccagtcct gggtgccaag agg                                  333

      <210> 294
      <211> 123
      <212> DNA
      <213> Homo sapien
```

<400> 294
ctgatacaaa tacagaaaac tctgcccatt atccaagaaa caaataatta agactaaaat 60
gcaagctgat gtgttgcagc attgtagggc cactaaatag ccatctgtga ttcgtggcaa 120
ttt 123

<210> 295
<211> 311
<212> DNA
<213> Homo sapien

<400> 295
ctgcatacag acatttgttt aggtcatctg gattatcttg attgtcacca tggcaactat 60
ccacaaccag tgcctaggtg tgtgagaaga gtgatacaat aatactgtgg catggtcatt 120
tagctaatcc agtctaagcc taacagaaac cttttccatc aaagtttttc agagaataac 180
aacatcttat aagaggccag aggatggctt gtgcttaata tcacacctgt acagtagggc 240
agtgcttccc aggctgtctg cttacatttt agcttgtctt acggttacat atggtttcag 300
tattttcatt t 311

<210> 296
<211> 241
<212> DNA
<213> Homo sapien

<400> 296
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cacttggggt tcactggcgg cattgtccaa gggctggacc tgtaccgagc ctcgggtaca 120
tttgagcttc ttgatagaat tctttcccaa ctccgagcaa ccaaccacaa agtgctgctg 180
ttctgccaaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcttt 240
a 241

<210> 297
<211> 295
<212> DNA
<213> Homo sapien

<400> 297
aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaatggtg tgaggcatct 60
cacttagctg tggagaagtc cttggaatta gatctcagaa agacagcttt aagacagtaa 120
aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gaccttgcag 180
gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta 240
gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga 295

<210> 298
<211> 347
<212> DNA
<213> Homo sapien

<400> 298
ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atggtggagg 60
accaacacct gctaccccag agagcttttc taaaaaaagc aagaaagcag tcatgagtgg 120
tattcaccct gcagaagaca cggaaggtac tgagtttgag ccagagggac ttccagaagt 180
tgtaaagaaa gggtttgctg acatcccgac aggaaagact agcccatata tcctgcgaag 240
aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 300
actgagtctc ggcaaagaaa atcttgcaga gtcctccaca ccaacag 347

<210> 299
<211> 268
<212> DNA
<213> Homo sapien

<400> 299
aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60
gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120
gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180
tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttca acttgtattc 240
aagtaattag cagttgacca cttggttt 268

<210> 300
<211> 185
<212> DNA
<213> Homo sapien

<400> 300
aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60
ctgaccatct ttatttctgt caaaaatctt catcatcgtg ccggtgtatt cttccagttt 120
agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180
agcag 185

<210> 301
<211> 75
<212> DNA
<213> Homo sapien

<400> 301
aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60
tttgaatttg gcttt 75

<210> 302
<211> 247
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 302
ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct 60
ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt 120
tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag ggtggaggaa 180
gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaaccaaaa tgatcactgc 240
ctacttg 247

<210> 303
<211> 535
<212> DNA
<213> Homo sapien

<400> 303
ctgcttcaga ggaaatcact gaaaaataaa gaaaaaccat ccatgcatgg ctgcatccag 60
tgtacctgta atcctgaaga aaaggtccta attcctccca tgctgaaatg ctagctttgg 120
tttcagagag agactttatt gcaactgtga ccaccgtcac tggtgagcac tgctgttcgg 180
cccccagcgg acttaaaaga ctggaatgtg gtagtggcgg tcgttctcgg tcagcaggga 240
[illegible] acttgaaagt ctctggagtt 300
aaacttgaac agtctgaaca cttttatctt tacttcaagg gagtatccaa gtataaacat 360
atcaatctgc tctagtccac atgtgtcgcc tacagaattc aggtgattca tcatgaagct 420
caaaggatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt 480
tttagtcttc atttgttcat aaacttcagt gacttgatac agcatgatga acttt 535

<210> 304
<211> 522
<212> DNA
<213> Homo sapien

<400> 304
ccgcgctcgg tctacaatca cgttttatta ttggctcgtc tagtcatggg atagagaggg 60
taaatagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggt 120
tttagatctt tatcctggtc ctgtcaatga tcaggtaatt ggaaggatca aaattaggcc 180
aaacttggta attgggccaa aattgaacca aagtttgtgt caagaagacc tggggcagag 240
atatgtgact aaatcatttg gaatatgccc agcccccaag aatatttatg cccaacttga 300
atgctaacca gaagtccctt actgtagaag attgtaaggt tgctattttt ttgccccgac 360
accaaaatat tgatgtattt tccaacacca attctccaat tctctgacac caactcgatg 420
ttcaacaatt cagttatatt ctgtcactaa ttcctgcagc tatcagcagg ccccacaggt 480
aaaggattca gtctcacaag attgcccccc cacccacttc ag 522

<210> 305
<211> 165
<212> DNA
<213> Homo sapien

<400> 305
cctaaagcgc tcctcgctga agctcaaggc gtccacaatg atttgtctgc caaagttatt 60
gagtgcatat gccagttctc ctcctcctcc accctggtgc tgtgaggcat cgtctgaggc 120
agtggcctgg gctgcattgg aaatgcctgt gaccgcctgc tgcag 165

<210> 306
<211> 294
<212> DNA
<213> Homo sapien

<400> 306
ctgcacctaa gacatggccc tggctaggcg ggaacagctc acagtagcga taccttcaca 60
ggacacagtt ggtgtccaga aaaggggcct cagaacacag tttctacaca agcacttggc 120
acccacacga cagagacgtc actcaagcag cacagccaca aatagtttac agcagctcat 180
gcccggcatc cgcccatgct gggagactcc ctgaaaggtg ggcacctgcc gtctatgagg 240
aggtgtctcc ctccatcatt aaccccaaac cacacaatgt gtgaggagag cagg 294

<210> 307
<211> 181
<212> DNA
<213> Homo sapien

<400> 307

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aaaaatccat gacaccttga tagaaattag agtttacacc aacaaaaaag gaaccttgga       60
tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg      120
cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt      180
t                                                                      181

      <210> 308
      <211> 179
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(179)
      <223> n = A,T,C or G

      <400> 308
aaggctgagg actgctggga gctcagatca gcccggagct actggctcat gggcagccaa       60
aaaatactgg atctgctgaa cgaaggctca gcccgagatc tcccgcagtct tcagcgcatt     120
ggcccgaaga aggcccanct aatcgtgggc tggcgggagc tccacggccc cttcagcca       179

      <210> 309
      <211> 129
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(129)
      <223> n = A,T,C or G

      <400> 309
ctgcccgctt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttcctcac       60
catcaccttc ttcttcctcc tcctcttcct ccccaccttc ttcctcttct tcgtctacct      120
cattgtcag                                                              129

      <210> 310
      <211> 390
      <212> DNA
      <213> Homo sapien

      <400> 310
tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc       60
tgagagtcag ctctctgccc tgtgtacttc ccgggccagg gctgccccta atctctgtag      120
gaaccgtggt atgtctgcat gttgcccctt tctcttttcc cctttcctgt cccaccatac      180
gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc      240
ttggtctgtt tgactttacg cccatctcag gacacttccg tagactgttt aggttcccct      300
gtcaaatatc agttacccac tcggtcccag ttttgttgcc ccagaaaggg atgttattat      360
ccttgggggc tcccagggca agggttaagg                                       390

      <210> 311
      <211> 355
      <212> DNA
      <213> Homo sapien

      <220>
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<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 311
[illegible] [illegible] [illegible] [illegible] agctaccact cccaggcagt      60
gcatatccgc ctgttgagaa atgcccgtgc tagattgtgg acaagagcct gcgtgattat     120
gctatanggc naaaaattct tcgagttcca cccnanctcc tctaaacatt tggctcactc     180
aaaacaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac     240
cntcgtagga aaaccaaata gccctctcgt ncangatatg ttgctaaagg actaccntgt     300
tcaacacaac ggctccggtg tgtgaactcc tgtttgggtg attcccctac tctca          355

<210> 312
<211> 498
<212> DNA
<213> Homo sapien

<400> 312
ccattctttt gaatctaatc tattatcaat agcatcctcc ataatatctt tgataaaagg      60
tgtccacaga gagagctgaa aagtttcttc tgcagaccga tcctttctta acggtttgcc     120
ttgttgagat tggggaacaa tgggaacacc aaggtaactc cagttacgaa tcatgtcact     180
ctcattttct atctttacat tctggatcaa cctgtccaaa ttttcttccg tagttccatt     240
aatactgaag atataaagta gaattgctct tattttatca caattatcat gatttttgtt     300
gagtagaact ggaaggagta ctcgcatgga atctttcacc ttctgtcctt ctgcatcagt     360
tccaagtgcc aggtcctgtt cagttttgca gagcttttct atattaagct tgaacttatt     420
catgcaatct tccgctaagt taagatggac aacttgctta gtaatctgtt ttcggaaata     480
gggcatcttt ttcattag                                                   498

<210> 313
<211> 653
<212> DNA
<213> Homo sapien

<400> 313
aaacttatca gattttttta agttaggtaa tttcaatcca cagtggctcc atatggttaa      60
aaaaacaaaa acaaaaacgc atttaaggat acacgaagca gtgaaaacaa agccccagta     120
ttttcgctaa agtactggaa atacctgttt ctaaaaacag ctttatattt gtccactgcc     180
tagaatagct ctcacccaaa cctcaaaaat aagagcagat agatttcaga agcaagaaaa     240
ggtaaacagt gcccatattc tttgagcctg gccctcctgc cctccctaag ccagtttaca     300
ttctttgaga ttcttggagt gggtgagtca gggctgaaga ctgcacaggc catgtcccct     360
gctccaacta ttcctcagaa cctcccaggt ggagggagtg gcctgtcgat tttcactcat     420
tccatggagc tctgtgtaca tgaaaattcc tccaagtgtg gcttttgtcg aattcagaga     480
tacagcaagc cacgcctaaa acatggagtg tagagcactg gtgtacctag cttagaaaca     540
ccctcggtga atgtggtact gtggctcgaa aggaagcaag ggacaggacc caggagactg     600
ggcggccagc ctctcggagt tcccacacca cctgtgaagc ccggccagca cag            653

<210> 314
<211> 513
<212> DNA
<213> Homo sapien

<400> 314
ctggaagatt ttgctgcatt tggcattata ctgtaattta cagtatacaa catctgggga      60
ctcagtacta tcttagcaca gactaacttc tcccactccg tcagaggtgg caggtggcgg     120
gtccgtgggg cgggcctttt ctccccataa atgcctgaac tttaatttat accatataag     180
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aaatcagtga aaggtaaaca acaaggttaa tgtaactcta ttataaattt tgcatttttt      240
ttctctgtga catatacaag tatatttttg tttttggagc tataaattat ttaatttagc      300
aatcttcaaa gctcataaat ttcaactttt caaataagaa attttaactt caaataagaa      360
gtctaggact ttatggctat taattttact atcaaaatat ccaagggact ccattcaatg      420
taatagttat aattcttcta aatatcattt gaataattct ttgtggacgc tagactcaag      480
actatgctac atccaaacag tacatctata acc                                   513

       <210> 315
       <211> 222
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(222)
       <223> n = A,T,C or G

       <400> 315
atttatattc aaggnatctc aaagaaagca ttttcatttc actgcacatc tagagaaaaa       60
caaaaataga aaattttcta gtccatccta atctgaatgg tgctgtttct atattggtca      120
ttgccttgca aacaggagct ccacaaaagc caggaagaga gactgcctcc ttggctgaaa      180
gagtcctttc aggaaggtgg actgcattgg tttgatatgt tt                         222


<210> 316
<211> 1633
<212> DNA
<213> Homo sapiens

<400> 316
cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60
ccagactagc gaacaataca gtcgggatgg ctcaaggtga ccccaagaaa ccaaagggca 120
agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180
cagaggtccc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240
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aatccacaaa ccccggcatc tctattggag acgtggcaaa aaagctgggt gagatgtgga 480
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aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720
ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780
attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840
aattgtcagt ggtttacatg aagtggccat gggtgtctgg agcaccctga aactgtatca 900
aagttgtaca tatttccaaa catttttaaa atgaaaaggc actctcgtgt tctcctcact 960
ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca tttttctttt 1020
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tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140
gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200
gaggctggac ctgttgactc tgcagggggc atccatttag cttcaggttg tcttgtttct 1260
gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320
catgagaata ttttttttta agtgcggtag tttttaaact gtttgttttt aaacaaacta 1380
tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt tcaagaacct 1440
cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500
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aatgtttttg aagttaaata aacagtatta catttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac ccccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg                                                    1633

<210> 317
<211> [illegible]
<212> DNA
<213> Homo sapiens

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cgatctcctg acctcgtgat ccgcccgcct cggcctccca aagtgctggg attacaggcg 1140
tgagccaccg tgcccggcct gatttcttta aaattgaaga gctgctgcca aggccttcag 1200
atctaacgca gatgcataga ccttgttcct ggtacttgtt cagcctgtgc tggggagccg 1260
tggtcccgag ttccctggga ggctgacagg gtcaagccac cctgcccacc acctctccac 1320
ttcccctccc ctttcctctc cagcattagg atttaaggga aatctgcatg aagccaattt 1380
tgagggtaga cgtgtgggga aaataaatcc ttatacagta agacctgggg cttgaggggt 1440
ggggaatggg gagggaaggg catagcctgc tcctccatga gtctgacatc tcggaaactg 1500
agcagctgcc ggacgcctgg gtcaggaatc caagacccca cctcttaagg actggttcct 1560

```
cagaaagcac cctcagggaa aaaggtgaaa acattacatc cgtggattct cctgccacaa 1620
ccgcattgga agaaaaggct gccgcaacat ctcagcgagg agtgaaggac ccatgtccca 1680
ggaacgcgcc tgcgccacct gcactcaccc ccctcacatt ctcttaagca cccggtggcc 1740
ctccgaggct ggcggaatgg tggtgcccac ggggttgggc aagggctcac caggacctca 1800
acgggcaaag ttgtgcacac taaaatatcc aatcaaggtg cctggttttc aagtaaatgt 1860
ttttctaaag aaagctgtgt tcttctgttg acccagacga atagggcaca gccctgtaac 1920
tgcacgtgcc ttctgtcatt gggactgaaa ttaattacta ccagaaaggg acttgtccta 1980
actggtttga ggccttacag ttttgtatct acatttttcc cctcctgggg tttgcgggga 2040
cagggacaga actacaggag tcatgggaac gaaaattctg gcttcactac tgctcactgc 2100
tcactttctg atcactctga tacttttttt tttttttttt ttttgcaacc tgataccttg 2160
aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg atcactgatt 2220
actatttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga aaaaaaaaaa 2280

<210> 322
<211> 1398
<212> DNA
<213> Homo sapiens

<400> 322
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cctgaagcaa aggcatctcc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
ctaacccaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gactttggaa atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
catggtctca atctctggaa aaacttcttg ccaaccaaac tggtcaaaat gtctttggaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
ataaggaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccaggttcc tcaaatcaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaagtgac tggtcccagg ctgaagggaa ttaacagata 720
gtatcaaagc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagttat 840
ccagccgcag agttgaagaa gcataagcac gacaaaaaca gagagaccgc agaaggagga 900
agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
tgggaaggcc aggtaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacaggct gtaagaatca aagtcaactg acatctatgc tacatattat tatatagttt 1080
gtactgagct attgaagtcc cattaactta aagtatatgt tttcaaattg ccattgctac 1140
tattgcttgt tggtgtattt tatttctatt tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaatcat 1260
tggtgctaat aataaatgtg gatttgtgat taaaatatat agaagcaatt tctgtttaca 1320
tgtccttgct acttttaaaa acttgcattt attcctcaga ttttaaaaat aaataaataa 1380
ttcatttaaa aaaaaaaa                                               1398

<210> 323
<211> 1316
<212> DNA
<213> Homo sapiens

<400> 323
acttctacct gctcactcag aatcatttct gcaccaacca tggccacgtt tgtggagctc 60
agtaccaaag ccaagatgcc cattgtgggc ctgggcactt ggaagtctcc tcttggcaaa 120
gtgaaagaag cagtgaaggt ggccattgat gcaggatatc ggcacattga ctgtgcctat 180
gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
gtgaagcggg aggacctgtt catcgtcagc aagttgtggc ccactttctt tgagagaccc 300
```

```
cttgtgagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgtc 360
tatcttattc actggccaca gggattcaag tctggggatg acctttcccc caaagatgat 420
aaaggtaatg ccatcggtgg aaaagcaacg ttcttggatg cctgggaggc catggaggag 480
ctggtggatg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
gagaagctct tgaacaaacc tggactgaaa tataaaccag tgactaacca ggttgagtgt 600
[illegible] [illegible] gaaactgatc cagtactgcc actccaaggg catcaccatt 660
acggcctaca gccccctggc ctctccggat agaccttggg ccaagccaga agacccttcc 720
ctgctggagg atcccaagat taaggagatt gctgcaaagc acaaaaaaac cgcagcccag 780
gttctgatcc gtttccatat ccagaggaat gtgattgtca tccccaagtc tgtgaccaca 840
gcacgcattg ttgagaacat tcaggtcttt gactttaaat tgagtgatga ggagatggca 900
accatactca gcttcaacag aaactggagg gcctgtaacc tgttgcaatc ctctcacttg 960
gaagactatc ccttcaatgc agaatattga ggttgaatct cctggtgaga ttatacagga 1020
gattctcttt cttcgctgaa gtctgactac ctccactcat gtccccattt agccaagctt 1080
atttaagatc acagtgaact tagtcctgtt atagacgaga atcgaggtgc tgttttagac 1140
atttatttct gtatgttcaa ctaggatcag aatatcacag aaaagcatgg cttgaataag 1200
gaaatgacaa tttttcccac ttatctgatc agaacaaatg tttattaagc atcagaaact 1260
ctgccaacac tgaggatgta aagatcaata aaacaaataa taatcataaa aaaaaa     1316

<210> 324
<211> 200
<212> PRT
<213> Homo sapiens

<400> 324
Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Thr Ser Ala Tyr
                5                   10                  15

Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
            20                  25                  30

Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
        35                  40                  45

Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
    50                  55                  60

Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
65                  70                  75                  80

Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
                85                  90                  95

Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
            100                 105                 110

Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
        115                 120                 125

Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
    130                 135                 140

Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
145                 150                 155                 160

Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
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                165                 170                 175

Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Gln Glu Glu Glu Glu Glu
            180                 185                 190

Glu Glu Glu Glu Glu Glu Asp Glu
        195                 200


<210> 325
<211> 263
<212> PRT
<213> Homo sapiens

<400> 325
Met Phe Arg Asn Gln Tyr Asp Asn Asp Val Thr Val Trp Ser Pro Gln
                 5                  10                  15

Gly Arg Ile His Gln Ile Glu Tyr Ala Met Glu Ala Val Lys Gln Gly
             20                  25                  30

Ser Ala Thr Val Gly Leu Lys Ser Lys Thr His Ala Val Leu Val Ala
         35                  40                  45

Leu Lys Arg Ala Gln Ser Glu Leu Ala Ala His Gln Lys Lys Ile Leu
     50                  55                  60

His Val Asp Asn His Ile Gly Ile Ser Ile Ala Gly Leu Thr Ala Asp
 65                  70                  75                  80

Ala Arg Leu Leu Cys Asn Phe Met Arg Gln Glu Cys Leu Asp Ser Arg
                 85                  90                  95

Phe Val Phe Asp Arg Pro Leu Pro Val Ser Arg Leu Val Ser Leu Ile
            100                 105                 110

Gly Ser Lys Thr Gln Ile Pro Thr Gln Arg Tyr Gly Arg Arg Pro Tyr
        115                 120                 125

Gly Val Gly Leu Leu Ile Ala Gly Tyr Asp Asp Met Gly Pro His Ile
    130                 135                 140

Phe Gln Thr Cys Pro Ser Ala Asn Tyr Phe Asp Cys Arg Ala Met Ser
145                 150                 155                 160

Ile Gly Ala Arg Ser Gln Ser Ala Arg Thr Tyr Leu Glu Arg His Met
                165                 170                 175

Ser Glu Phe Met Glu Cys Asn Leu Asn Glu Leu Val Lys His Gly Leu
            180                 185                 190

Arg Ala Leu Arg Glu Thr Leu Pro Ala Glu Gln Asp Leu Thr Thr Lys
        195                 200                 205

Asn Val Ser Ile Gly Ile Val Gly Lys Asp Leu Glu Phe Thr Ile Tyr
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    210                 215                 220

Asp Asp Asp Asp Val Ser Pro Phe Leu Glu Gly Leu Glu Glu Arg Pro
225                 230                 235                 240

Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu Pro Ala Glu Lys
                245                 250                 255

Ala Asp Glu Pro Met Glu His
            260


<210> 326
<211> 539
<212> PRT
<213> Homo sapiens

<400> 326
Met Pro Glu Asn Val Ala Pro Arg Ser Gly Ala Thr Ala Gly Ala Ala
                  5                  10                  15

Gly Gly Arg Gly Lys Gly Ala Tyr Gln Asp Arg Asp Lys Pro Ala Gln
             20                  25                  30

Ile Arg Phe Ser Asn Ile Ser Ala Ala Lys Ala Val Ala Asp Ala Ile
         35                  40                  45

Arg Thr Ser Leu Gly Pro Lys Gly Met Asp Lys Met Ile Gln Asp Gly
     50                  55                  60

Lys Gly Asp Val Thr Ile Thr Asn Asp Gly Ala Thr Ile Leu Lys Gln
 65                  70                  75                  80

Met Gln Val Leu His Pro Ala Ala Arg Met Leu Val Glu Leu Ser Lys
                 85                  90                  95

Ala Gln Asp Ile Glu Ala Gly Asp Gly Thr Thr Ser Val Val Ile Ile
            100                 105                 110

Ala Gly Ser Leu Leu Asp Ser Cys Thr Lys Leu Leu Gln Lys Gly Ile
        115                 120                 125

His Pro Thr Ile Ile Ser Glu Ser Phe Gln Lys Ala Leu Glu Lys Gly
    130                 135                 140

Ile Glu Ile Leu Thr Asp Met Ser Arg Pro Val Glu Leu Ser Asp Arg
145                 150                 155                 160

Glu Thr Leu Leu Asn Ser Ala Thr Thr Ser Leu Asn Ser Lys Val Val
                165                 170                 175

Ser Gln Tyr Ser Ser Leu Leu Ser Pro Met Ser Val Asn Ala Val Met
            180                 185                 190

Lys Val Ile Asp Pro Ala Thr Ala Thr Ser Val Asp Leu Arg Asp Ile
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        195                 200                 205

Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val
    210                 215                 220

Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg
225                 230                 235                 240

Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro
                245                 250                 255

Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met
            260                 265                 270

Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys
        275                 280                 285

Glu Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile
    290                 295                 300

Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met
305                 310                 315                 320

Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile
                325                 330                 335

Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr
            340                 345                 350

Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn
        355                 360                 365

Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys
    370                 375                 380

Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu
385                 390                 395                 400

Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val
                405                 410                 415

Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu
            420                 425                 430

Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser
        435                 440                 445

Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr
    450                 455                 460

Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu
465                 470                 475                 480

Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg
                485                 490                 495
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Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu
            500                 505                 510

Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser
        515                 520                 525

Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg
    530                 535


<210> 327
<211> 144
<212> PRT
<213> Homo sapiens

<400> 327
Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu
                 5                  10                  15

Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp
             20                  25                  30

Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu
         35                  40                  45

Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val
     50                  55                  60

Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro
 65                  70                  75                  80

Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser
                 85                  90                  95

Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu
            100                 105                 110

Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu
        115                 120                 125

Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser
    130                 135                 140


<210> 328
<211> 138
<212> PRT
<213> Homo sapiens

<400> 328
Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe
                 5                  10                  15

Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile
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            20                  25                  30

Ala Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly
        35                  40                  45

Asp Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val Arg Thr Thr Glu Ile
    50                  55                  60

Asn Phe Lys Val Gly Glu Glu Phe Glu Glu Gln Thr Val Asp Gly Arg
65                  70                  75                  80

Pro Cys Lys Ser Leu Val Lys Trp Glu Ser Glu Asn Lys Met Val Cys
                85                  90                  95

Glu Gln Lys Leu Leu Lys Gly Glu Gly Pro Lys Thr Ser Trp Thr Arg
            100                 105                 110

Glu Leu Thr Asn Asp Gly Glu Leu Ile Leu Thr Met Thr Ala Asp Asp
        115                 120                 125

Val Val Cys Thr Arg Val Tyr Val Arg Glu
    130                 135


<210> 329
<211> 346
<212> PRT
<213> Homo sapiens

<400> 329
Met Phe Leu Ser Ile Leu Val Ala Leu Cys Leu Trp Leu His Leu Ala
                5                   10                  15

Leu Gly Val Arg Gly Ala Pro Cys Glu Ala Val Arg Ile Pro Met Cys
            20                  25                  30

Arg His Met Pro Trp Asn Ile Thr Arg Met Pro Asn His Leu His His
        35                  40                  45

Ser Thr Gln Glu Asn Ala Ile Leu Ala Ile Glu Gln Tyr Glu Glu Leu
    50                  55                  60

Val Asp Val Asn Cys Ser Ala Val Leu Arg Phe Phe Phe Cys Ala Met
65                  70                  75                  80

Tyr Ala Pro Ile Cys Thr Leu Glu Phe Leu His Asp Pro Ile Lys Pro
                85                  90                  95

Cys Lys Ser Val Cys Gln Arg Ala Arg Asp Asp Cys Glu Pro Leu Met
            100                 105                 110

Lys Met Tyr Asn His Ser Trp Pro Glu Ser Leu Ala Cys Asp Glu Leu
        115                 120                 125

Pro Val Tyr Asp Arg Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr
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        130                 135                 140

Asp Leu Pro Glu Asp Val Lys Trp Ile Asp Ile Thr Pro Asp Met Met
145                 150                 155                 160

Val Gln Glu Arg Pro Leu Asp Val Asp Cys Lys Arg Leu Ser Pro Asp
                165                 170                 175

Arg Cys Lys Cys Lys Lys Val Lys Pro Thr Leu Ala Thr Tyr Leu Ser
            180                 185                 190

Lys Asn Tyr Ser Tyr Val Ile His Ala Lys Ile Lys Ala Val Gln Arg
        195                 200                 205

Ser Gly Cys Asn Glu Val Thr Thr Val Val Asp Val Lys Glu Ile Phe
    210                 215                 220

Lys Ser Ser Ser Pro Ile Pro Arg Thr Gln Val Pro Leu Ile Thr Asn
225                 230                 235                 240

Ser Ser Cys Gln Cys Pro His Ile Leu Pro His Gln Asp Val Leu Ile
                245                 250                 255

Met Cys Tyr Glu Trp Arg Ser Arg Met Met Leu Leu Glu Asn Cys Leu
            260                 265                 270

Val Glu Lys Trp Arg Asp Gln Leu Ser Lys Arg Ser Ile Gln Trp Glu
        275                 280                 285

Glu Arg Leu Gln Glu Gln Arg Arg Thr Val Gln Asp Lys Lys Lys Thr
    290                 295                 300

Ala Gly Arg Thr Ser Arg Ser Asn Pro Pro Lys Pro Lys Gly Lys Pro
305                 310                 315                 320

Pro Ala Pro Lys Pro Ala Ser Pro Lys Lys Asn Ile Lys Thr Arg Ser
                325                 330                 335

Ala Gln Lys Arg Thr Asn Pro Lys Arg Val
            340                 345


<210> 330
<211> 626
<212> PRT
<213> Homo sapiens

<400> 330
Met Glu Gly Ala Gly Gly Ala Asn Asp Lys Lys Lys Ile Ser Ser Glu
                5                   10                  15

Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys
            20                  25                  30

Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His
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        35                  40                  45

Asn Val Ser Ser His Leu Asp Lys Ala Ser Val Met Arg Leu Thr Ile
    50                  55                  60

Ser Tyr Leu Arg Val Arg Lys Leu Leu Asp Ala Gly Asp Leu Asp Ile
65                  70                  75                  80

Glu Asp Asp Met Lys Ala Gln Met Asn Cys Phe Tyr Leu Lys Ala Leu
                85                  90                  95

Asp Gly Phe Val Met Val Leu Thr Asp Asp Gly Asp Met Ile Tyr Ile
            100                 105                 110

Ser Asp Asn Val Asn Lys Tyr Met Gly Leu Thr Gln Phe Glu Leu Thr
        115                 120                 125

Gly His Ser Val Phe Asp Phe Thr His Pro Cys Asp His Glu Glu Met
    130                 135                 140

Arg Glu Met Leu Thr His Arg Asn Gly Leu Val Lys Lys Gly Lys Glu
145                 150                 155                 160

Gln Asn Thr Gln Arg Ser Phe Phe Leu Arg Met Lys Cys Thr Leu Thr
                165                 170                 175

Ser Arg Gly Arg Thr Met Asn Ile Lys Ser Ala Thr Trp Lys Val Leu
            180                 185                 190

His Cys Thr Gly His Ile His Val Tyr Asp Thr Asn Ser Asn Gln Pro
        195                 200                 205

Gln Cys Gly Tyr Lys Lys Pro Pro Met Thr Cys Leu Val Leu Ile Cys
    210                 215                 220

Glu Pro Ile Pro His Pro Ser Asn Ile Glu Ile Pro Leu Asp Ser Lys
225                 230                 235                 240

Thr Phe Leu Ser Arg His Ser Leu Asp Met Lys Phe Ser Tyr Cys Asp
                245                 250                 255

Glu Arg Ile Thr Glu Leu Met Gly Tyr Glu Pro Glu Glu Leu Leu Gly
            260                 265                 270

Arg Ser Ile Tyr Glu Tyr Tyr His Ala Leu Asp Ser Asp His Leu Thr
        275                 280                 285

Lys Thr His His Asp Met Phe Thr Lys Gly Gln Val Thr Thr Gly Gln
    290                 295                 300

Tyr Arg Met Leu Ala Lys Arg Gly Gly Tyr Val Trp Val Glu Thr Gln
305                 310                 315                 320

Ala Thr Val Ile Tyr Asn Thr Lys Asn Ser Gln Pro Gln Cys Ile Val
                325                 330                 335
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Cys Val Asn Tyr Val Val Ser Gly Ile Ile Gln His Asp Leu Ile Phe
            340                 345                 350

Ser Leu Gln Gln Thr Glu Cys Val Leu Lys Pro Val Glu Ser Ser Asp
                            360                 365

Met Lys Met Thr Gln Leu Phe Thr Lys Val Glu Ser Glu Asp Thr Ser
    370                 375                 380

Ser Leu Phe Asp Lys Leu Lys Lys Glu Pro Asp Ala Leu Thr Leu Leu
385                 390                 395                 400

Ala Pro Ala Ala Gly Asp Thr Ile Ile Ser Leu Asp Phe Gly Ser Asn
                405                 410                 415

Asp Thr Glu Thr Asp Asp Gln Gln Leu Glu Glu Val Pro Leu Tyr Asn
            420                 425                 430

Asp Val Met Leu Pro Ser Pro Asn Glu Lys Leu Gln Asn Ile Asn Leu
        435                 440                 445

Ala Met Ser Pro Leu Pro Thr Ala Glu Thr Pro Lys Pro Leu Arg Ser
    450                 455                 460

Ser Ala Asp Pro Ala Leu Asn Gln Glu Val Ala Leu Lys Leu Glu Pro
465                 470                 475                 480

Asn Pro Glu Ser Leu Glu Leu Ser Phe Thr Met Pro Gln Ile Gln Asp
                485                 490                 495

Gln Thr Pro Ser Pro Ser Asp Gly Ser Thr Arg Gln Ser Ser Pro Glu
            500                 505                 510

Pro Asn Ser Pro Ser Glu Tyr Cys Phe Tyr Val Asp Ser Asp Met Val
        515                 520                 525

Asn Glu Phe Lys Leu Glu Leu Val Glu Lys Leu Phe Ala Glu Asp Thr
    530                 535                 540

Glu Ala Lys Asn Pro Phe Ser Thr Gln Asp Thr Asp Leu Asp Leu Glu
545                 550                 555                 560

Met Leu Ala Pro Tyr Ile Pro Met Asp Asp Asp Phe Gln Leu Arg Ser
                565                 570                 575

Phe Asp Gln Leu Ser Pro Leu Glu Ser Ser Ser Ala Ser Pro Glu Ser
            580                 585                 590

Ala Ser Pro Gln Ser Thr Val Thr Val Phe Gln Gln Thr Gln Ile Gln
        595                 600                 605

Glu Pro Thr Ala Asn Ala Thr Thr Thr Thr Ala Thr Thr Asp Glu Leu
    610                 615                 620
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Lys Thr Val Thr Lys Asp Arg Met Glu Asp Ile Lys Ile Leu Ile Ala
625                 630                 635                 640

Ser Pro Ser Pro Thr His Ile His Lys Glu Thr Thr Ser Ala Thr Ser
                645                 650                 655

Ser Pro Tyr Arg Asp Thr Gln Ser Arg Thr Ala Ser Pro Asn Arg Ala
            660                 665                 670

Gly Lys Gly Val Ile Glu Gln Thr Glu Lys Ser His Pro Arg Ser Pro
        675                 680                 685

Asn Val Leu Ser Val Ala Leu Ser Gln Arg Thr Thr Val Pro Glu Glu
    690                 695                 700

Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg
705                 710                 715                 720

Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr
                725                 730                 735

Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp
            740                 745                 750

Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln
        755                 760                 765

Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly
    770                 775                 780

Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys
785                 790                 795                 800

Glu Val Asn Ala Pro Ile Gln Gly Ser Arg Asn Leu Leu Gln Gly Glu
                805                 810                 815

Glu Leu Leu Arg Ala Leu Asp Gln Val Asn
            820                 825


<210> 331
<211> 92
<212> PRT
<213> Homo sapiens

<400> 331
Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln
                5                   10                  15

Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln
            20                  25                  30

Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile
        35                  40                  45
```

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Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile
     50                  55                  60

His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys
 65                  70                  75                  80

Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn
                 85                  90


<210> 332
<211> 235
<212> PRT
<213> Homo sapiens

<400> 332
Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu
                  5                  10                  15

Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn
             20                  25                  30

Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu
         35                  40                  45

Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe
     50                  55                  60

Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu
 65                  70                  75                  80

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys
                 85                  90                  95

Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
            100                 105                 110

Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly
        115                 120                 125

Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr
    130                 135                 140
Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser
145                 150                 155                 160

Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe
                165                 170                 175

Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
            180                 185                 190

Gly Asn Asp Asn Asn Phe Val Ser Arg Glu Asp Cys Lys Arg Ala Cys
        195                 200                 205

Ala Lys Ala Leu Lys Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala
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    210                 215                 220

Ser Arg Ile Arg Lys Ile Arg Lys Lys Gln Phe
225                 230                 235


<210> 333
<211> 291
<212> PRT
<213> Homo sapiens

<400> 333
Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu Thr Leu Leu
                5                   10                  15

Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly
            20                  25                  30

Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu
        35                  40                  45

Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu
    50                  55                  60

Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro
65                  70                  75                  80

Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro
                85                  90                  95

Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly
            100                 105                 110

Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu
        115                 120                 125

Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg
    130                 135                 140

Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val
145                 150                 155                 160

Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Ile Lys
                165                 170                 175

Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser
            180                 185                 190

Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr
        195                 200                 205

Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu Asn His Leu
    210                 215                 220

Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys
```

```
225                 230                 235                 240

Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro Ser Lys Gly
                245                 250                 255

Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu
            260                 265                 270

Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys Tyr Ser Met
        275                 280                 285

Gln Ser Lys
    290


<210> 334
<211> 582
<212> PRT
<213> Homo sapiens

<400> 334
Glu Ser Lys Gly Ala Ser Ser Cys Arg Leu Leu Phe Cys Leu Leu Ile
                5                   10                  15

Ser Ala Thr Val Phe Arg Pro Gly Leu Gly Trp Tyr Thr Val Asn Ser
            20                  25                  30

Ala Tyr Gly Asp Thr Ile Ile Ile Pro Cys Arg Leu Asp Val Pro Gln
        35                  40                  45

Asn Leu Met Phe Gly Lys Trp Lys Tyr Glu Lys Pro Asp Gly Ser Pro
    50                  55                  60

Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp
65                  70                  75                  80

Asp Val Pro Glu Tyr Lys Asp Arg Leu Asn Leu Ser Glu Asn Tyr Thr
                85                  90                  95

Leu Ser Ile Ser Asn Ala Arg Ile Ser Asp Glu Lys Arg Phe Val Cys
            100                 105                 110

Met Leu Val Thr Glu Asp Asn Val Phe Glu Ala Pro Thr Ile Val Lys
        115                 120                 125

Val Phe Lys Gln Pro Ser Lys Pro Glu Ile Val Ser Lys Ala Leu Phe
    130                 135                 140

Leu Glu Thr Glu Gln Leu Lys Lys Leu Gly Asp Cys Ile Ser Glu Asp
145                 150                 155                 160

Ser Tyr Pro Asp Gly Asn Ile Thr Trp Tyr Arg Asn Gly Lys Val Leu
                165                 170                 175

His Pro Leu Glu Gly Ala Val Val Ile Ile Phe Lys Lys Glu Met Asp
```

```
            180                 185                 190

Pro Val Thr Gln Leu Tyr Thr Met Thr Ser Thr Leu Glu Tyr Lys Thr
        195                 200                 205

Thr Lys Ala Asp Ile Gln Met Pro Phe Thr Cys Ser Val Thr Tyr Tyr
    210                 215                 220

Gly Pro Ser Gly Gln Lys Thr Ile His Ser Glu Gln Ala Val Phe Asp
225                 230                 235                 240

Ile Tyr Tyr Pro Thr Glu Gln Val Thr Ile Gln Val Leu Pro Pro Lys
                245                 250                 255

Asn Ala Ile Lys Glu Gly Asp Asn Ile Thr Leu Lys Cys Leu Gly Asn
            260                 265                 270

Gly Asn Pro Pro Pro Glu Glu Phe Leu Phe Tyr Leu Pro Gly Gln Pro
        275                 280                 285

Glu Gly Ile Arg Ser Ser Asn Thr Tyr Thr Leu Thr Asp Val Arg Arg
    290                 295                 300

Asn Ala Thr Gly Asp Tyr Lys Cys Ser Leu Ile Asp Lys Lys Ser Met
305                 310                 315                 320

Ile Ala Ser Thr Ala Ile Thr Val His Tyr Leu Asp Leu Ser Leu Asn
                325                 330                 335

Pro Ser Gly Glu Val Thr Arg Gln Ile Gly Asp Ala Leu Pro Val Ser
            340                 345                 350

Cys Thr Ile Ser Ala Ser Arg Asn Ala Thr Val Val Trp Met Lys Asp
        355                 360                 365

Asn Ile Arg Leu Arg Ser Ser Pro Ser Phe Ser Ser Leu His Tyr Gln
    370                 375                 380

Asp Ala Gly Asn Tyr Val Cys Glu Thr Ala Leu Gln Glu Val Glu Gly
385                 390                 395                 400

Leu Lys Lys Arg Glu Ser Leu Thr Leu Ile Val Glu Gly Lys Pro Gln
                405                 410                 415

Ile Lys Met Thr Lys Lys Thr Asp Pro Ser Gly Leu Ser Lys Thr Ile
            420                 425                 430

Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile
        435                 440                 445

Thr Gly Ser Gly Ser Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile
    450                 455                 460

Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val
465                 470                 475                 480
```

```
Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser
                485                 490                 495

Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu
            500                 505                 510

Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile
        515                 520                 525

Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val
    530                 535                 540

Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val
545                 550                 555                 560

Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn
                565                 570                 575

Asn His Lys Thr Glu Ala
            580


<210> 335
<211> 705
<212> PRT
<213> Homo sapiens

<400> 335
Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu
                5                   10                  15

Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile
            20                  25                  30

Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn
        35                  40                  45

Pro Thr Ala Gly Val Val Gln Glu Glu Glu Glu Asp Asn Leu Glu Tyr
    50                  55                  60

Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro
65                  70                  75                  80

Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys
                85                  90                  95

Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln
            100                 105                 110

Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala
        115                 120                 125

Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln
    130                 135                 140
```

```
Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile
145                 150                 155                 160

Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly
                165                 170                 175

Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met
            180                 185                 190

Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro
        195                 200                 205

Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His
    210                 215                 220

Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala
225                 230                 235                 240

Val Tyr Gly Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu
                245                 250                 255

Gly Ala Glu Ile Val Val Cys Thr Pro Gly Arg Leu Ile Asp His Val
            260                 265                 270

Lys Lys Lys Ala Thr Asn Leu Gln Arg Val Ser Tyr Leu Val Phe Asp
        275                 280                 285

Glu Ala Asp Arg Met Phe Asp Met Gly Phe Glu Tyr Gln Val Arg Ser
    290                 295                 300

Ile Ala Ser His Val Arg Pro Asp Arg Gln Thr Leu Leu Phe Ser Ala
305                 310                 315                 320

Thr Phe Arg Lys Lys Ile Glu Lys Leu Ala Arg Asp Ile Leu Ile Asp
                325                 330                 335

Pro Ile Arg Val Val Gln Gly Asp Ile Gly Glu Ala Asn Glu Asp Val
            340                 345                 350

Thr Gln Ile Val Glu Ile Leu His Ser Gly Pro Ser Lys Trp Asn Trp
        355                 360                 365

Leu Thr Arg Arg Leu Val Glu Phe Thr Ser Ser Gly Ser Val Leu Leu
    370                 375                 380

Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys
385                 390                 395                 400

Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser
                405                 410                 415

Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Lys Asp Ile Pro Val
            420                 425                 430
```

```
Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile
        435                 440                 445

Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr
    450                 455                 460

His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr
465                 470                 475                 480

Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg
                485                 490                 495

Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu
            500                 505                 510

Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys
        515                 520                 525

Gly Lys Lys Leu Asn Ile Gly Gly Gly Gly Leu Gly Tyr Arg Glu Arg
    530                 535                 540

Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met
545                 550                 555                 560

Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg
                565                 570                 575

Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe
            580                 585                 590

Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly
        595                 600                 605

Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn
    610                 615                 620

Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala
625                 630                 635                 640

Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala
                645                 650                 655

Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala
            660                 665                 670

Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg
        675                 680                 685

Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg
    690                 695                 700

Asp Trp Gln Ser Ala
705
```

```
<210> 336
<211> 480
<212> PRT
<213> Homo sapiens

<400> 336
Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu Leu
                  5                  10                  15

Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln
             20                  25                  30

Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg
         35                  40                  45

Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr
     50                  55                  60

Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu
 65                  70                  75                  80

Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr
                 85                  90                  95

Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr
            100                 105                 110

Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser
        115                 120                 125

Pro Ala Gly Val Gly Phe Ser Tyr Ser Asp Asp Lys Phe Tyr Ala Thr
    130                 135                 140

Asn Asp Thr Glu Val Ala Gln Ser Asn Phe Glu Ala Leu Gln Asp Phe
145                 150                 155                 160

Phe Arg Leu Phe Pro Glu Tyr Lys Asn Asn Lys Leu Phe Leu Thr Gly
                165                 170                 175

Glu Ser Tyr Ala Gly Ile Tyr Ile Pro Thr Leu Ala Val Leu Val Met
            180                 185                 190

Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu
        195                 200                 205

Ser Ser Tyr Glu Gln Asn Asp Asn Ser Leu Val Tyr Phe Ala Tyr Tyr
    210                 215                 220

His Gly Leu Leu Gly Asn Arg Leu Trp Ser Ser Leu Gln Thr His Cys
225                 230                 235                 240

Cys Ser Gln Asn Lys Cys Asn Phe Tyr Asp Asn Lys Asp Leu Glu Cys
                245                 250                 255

Val Thr Asn Leu Gln Glu Val Ala Arg Ile Val Gly Asn Ser Gly Leu
```

```
            260                 265                 270

Asn Ile Tyr Asn Leu Tyr Ala Pro Cys Ala Gly Gly Val Pro Ser His
        275                 280                 285

Phe Arg Tyr Glu Lys Asp Thr Val Val Val Gln Asp Leu Gly Asn Ile
    290                 295                 300

Phe Thr Arg Leu Pro Leu Lys Arg Met Trp His Gln Ala Leu Leu Arg
305                 310                 315                 320

Ser Gly Asp Lys Val Arg Met Asp Pro Pro Cys Thr Asn Thr Thr Ala
                325                 330                 335

Ala Ser Thr Tyr Leu Asn Asn Pro Tyr Val Arg Lys Ala Leu Asn Ile
            340                 345                 350

Pro Glu Gln Leu Pro Gln Trp Asp Met Cys Asn Phe Leu Val Asn Leu
        355                 360                 365

Gln Tyr Arg Arg Leu Tyr Arg Ser Met Asn Ser Gln Tyr Leu Lys Leu
    370                 375                 380

Leu Ser Ser Gln Lys Tyr Gln Ile Leu Leu Tyr Asn Gly Asp Val Asp
385                 390                 395                 400

Met Ala Cys Asn Phe Met Gly Asp Glu Trp Phe Val Asp Ser Leu Asn
                405                 410                 415

Gln Lys Met Glu Val Gln Arg Arg Pro Trp Leu Val Lys Tyr Gly Asp
            420                 425                 430

Ser Gly Glu Gln Ile Ala Gly Phe Val Lys Glu Phe Ser His Ile Ala
        435                 440                 445

Phe Leu Thr Ile Lys Gly Ala Gly His Met Val Pro Thr Asp Lys Pro
    450                 455                 460

Leu Ala Ala Phe Thr Met Phe Ser Arg Phe Leu Asn Lys Gln Pro Tyr
465                 470                 475                 480


<210> 337
<211> 543
<212> PRT
<213> Homo sapiens

<400> 337
Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile
                  5                  10                  15

Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr
             20                  25                  30

Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe
```

```
        35                  40                  45

Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser
    50                  55                  60

Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser
65                  70                  75                  80

Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro
                85                  90                  95

Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn
            100                 105                 110

Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu
        115                 120                 125

Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn
    130                 135                 140

Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly
145                 150                 155                 160

Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser
                165                 170                 175

Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys
            180                 185                 190

Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr
        195                 200                 205

Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala
    210                 215                 220

Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr
225                 230                 235                 240

Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu
                245                 250                 255

Phe Pro Gln Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys
            260                 265                 270

Pro Phe Gln Gly Leu Glu Ser Arg Thr Gln Gln Pro Ser Leu Thr Pro
        275                 280                 285

Leu Ser Thr Ile Lys Ala Phe Ala Thr Gln Ser Gly Ser Gln Asp Leu
    290                 295                 300

Lys Ala Leu Asn Thr Ser Tyr Gln Ser Gln Leu Ile Lys Pro Ser Arg
305                 310                 315                 320

Met Arg Lys Tyr Pro Asn Arg Pro Ser Lys Thr Pro Pro His Glu Arg
                325                 330                 335
```

```
Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser
            340                 345                 350

Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro Phe
        355                 360                 365

Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu Thr
    370                 375                 380

Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys Asp Ile
385                 390                 395                 400

Cys Gly Arg Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His Thr Lys
                405                 410                 415

Ile His Leu Arg Gln Lys Asp Lys Lys Ala Asp Lys Ser Val Val Ala
            420                 425                 430

Ser Ser Ala Thr Ser Ser Leu Ser Ser Tyr Pro Ser Pro Val Ala Thr
        435                 440                 445

Ser Tyr Pro Ser Pro Val Thr Thr Ser Tyr Pro Ser Pro Ala Thr Thr
    450                 455                 460

Ser Tyr Pro Ser Pro Val Pro Thr Ser Phe Ser Ser Pro Gly Ser Ser
465                 470                 475                 480

Thr Tyr Pro Ser Pro Val His Ser Gly Phe Pro Ser Pro Ser Val Ala
                485                 490                 495

Thr Thr Tyr Ser Ser Val Pro Pro Ala Phe Pro Ala Gln Val Ser Ser
            500                 505                 510

Phe Pro Ser Ser Ala Val Thr Asn Ser Phe Ser Ala Ser Thr Gly Leu
        515                 520                 525

Ser Asp Met Thr Ala Thr Phe Ser Pro Arg Thr Ile Glu Ile Cys
    530                 535                 540


<210> 338
<211> 148
<212> PRT
<213> Homo sapiens

<400> 338
Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala
                5                   10                  15

Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe
            20                  25                  30

Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro
        35                  40                  45
```

```
Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile
     50                  55                  60

Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe
 65                  70                  75                  80

Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile
                 85                  90                  95

Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser
            100                 105                 110

Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser
        115                 120                 125

Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser
    130                 135                 140

Ile Tyr Tyr His
145


<210> 339
<211> 196
<212> PRT
<213> Homo sapiens

<400> 339
Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
                  5                  10                  15

Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr
             20                  25                  30

Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu
         35                  40                  45

Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala
     50                  55                  60

Glu Val Met Gln Trp Ser Gln Ser Leu Glu Lys Leu Leu Ala Asn Gln
 65                  70                  75                  80

Thr Gly Gln Asn Val Phe Gly Ser Phe Leu Lys Ser Glu Phe Ser Glu
                 85                  90                  95

Glu Asn Ile Glu Phe Trp Leu Ala Cys Glu Asp Tyr Lys Lys Thr Glu
            100                 105                 110

Ser Asp Leu Leu Pro Cys Lys Ala Glu Glu Ile Tyr Lys Ala Phe Val
        115                 120                 125

His Ser Asp Ala Ala Lys Gln Ile Asn Ile Asp Phe Arg Thr Arg Glu
    130                 135                 140
```

```
Ser Thr Ala Lys Lys Ile Lys Ala Pro Thr Pro Thr Cys Phe Asp Glu
145                 150                 155                 160

Ala Gln Lys Val Ile Tyr Thr Leu Met Glu Lys Asp Ser Tyr Pro Arg
                165                 170                 175

Phe Leu Lys Ser Asp Ile Tyr Leu Asn Leu Leu Asn Asp Leu Gln Ala
            180                 185                 190

Asn Ser Leu Lys
        195


<210> 340
<211> 316
<212> PRT
<213> Homo sapiens

<400> 340
Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val
                5                   10                  15

Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val
            20                  25                  30

Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val
        35                  40                  45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
    50                  55                  60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
65                  70                  75                  80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr
                85                  90                  95

Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp
            100                 105                 110

Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys
        115                 120                 125

Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala
    130                 135                 140

Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser
145                 150                 155                 160

Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu
                165                 170                 175

Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr
            180                 185                 190
```

```
Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr
        195                 200                 205

Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu
    210                 215                 220

Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys
225                 230                 235                 240

His Lys Lys Thr Ala Ala Gln Val Leu Ile Arg Phe His Ile Gln Arg
                245                 250                 255

Asn Val Ile Val Ile Pro Lys Ser Val Thr Pro Ala Arg Ile Val Glu
            260                 265                 270

Asn Ile Gln Val Phe Asp Phe Lys Leu Ser Asp Glu Glu Met Ala Thr
        275                 280                 285

Ile Leu Ser Phe Asn Arg Asn Trp Arg Ala Cys Asn Val Leu Gln Ser
    290                 295                 300

Ser His Leu Glu Asp Tyr Pro Phe Asn Ala Glu Tyr
305                 310                 315

<210> 341
       <211> 422
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(422)
       <223> n = A,T,C or G

       <400> 341
gatganattn ttncnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca      60
caaataagag aacttagaga gaagtcggaa aagtttgcct tccaagcccg aagttaacag     120
aatgatgaaa cttatcatca attcattgta taaaaataaa gagatttccc tgagagaact     180
gatttcaaat gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa     240
tgctcttctt ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg     300
ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttggttaa aaaccttggt     360
accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat     420
gg                                                                    422

       <210> 342
       <211> 472
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(472)
       <223> n = A,T,C or G
```

```
<400> 342
ctggaggagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggct gtctttctac      60
tcgggacact cttcccttgg gatgtactgc atggcgttct tggcgctgna tgtgcaggca     120
cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc     180
tttgccctct acgtgggcta cacccgcgtg tctgattaca aacaccactg gagcgatgtc     240
[illegible] [illegible] [illegible] gctgccctca ctgtctgcta catctcagac     300
ttcctcaaag cccgaccccc acagcactgt ctgaaggggg aggagctggg acggaagtcc     360
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg atacccgcac     420
tcctcctcct gaggccggac cccgcccagg cagggagcta ctgtgagtcc ag             472

<210> 343
<211> 139
<212> DNA
<213> Homo sapien

<400> 343
gtcctgggcc ttccccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg      60
accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga     120
ctcccggctg gggaggtgg                                                  139

<210> 344
<211> 235
<212> DNA
<213> Homo sapien

<400> 344
ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg      60
agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc     120
tgggcgctcc aggagtgcca ctatggtggc agcatccctg attcaggtgc acaaatggag     180
tccagaggag gctgtaagag ccatcgccaa gatccggtca tacatccaca tcagg          235

<210> 345
<211> 458
<212> DNA
<213> Homo sapien

<400> 345
ctgtaaggtg ctattcagtc ctgtgaccct tattttggaa tgctcttcat tactgttgct      60
ctgttttgtg acttcctggg aaaccgccta ctttggtgtg gtgtcacctt gagctgtgca     120
cataggacac cagttttgac ttaacctaac agccagtttt tatctctagc tttttcaagc     180
caggtattga gcagtttctt ggccaatggc ctgagaaacc acctgtccct gtcaaggggt     240
gattttattg gttttaagtg gggaagtaat cccatgtact tatttcttaa atacctagga     300
agttcttctt ggtggctcct cttggccctc ccctctttct cccccaaccc accatcctgc     360
aaggcaaggg atggcctctc cctcccacaga ggcaacggct gcagagggag cactgtagct    420
gccatcccag ttcctcttca aagccaaaca gacacgcg                             458

<210> 346
<211> 525
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G
```

```
      <400> 346
ccagagcaca acgcctcacc atggactgga cctggaggat nntcttcnng gtggcagcag     60
ccacaggtgt ccactcccaa gcccaacttg tgcagtctgg ggctgaggag aagaagcctg    120
gggcctcagt gacratttct tgtaaggctt ctggatatat ncttactaaa tatactttac    180
attgggtgcg ccaggccccc ccaggacaaa gacctgaatg ggtgggatgg atcaacactg    240
gcattgatac cgttaaatat tcacagaagt ttcaggacag agtctccatt acctgggact    300
catccgcgac cacagnctac ctgnanctga gtagcctgga atccgaagac acggctgtgt    360
attactgtgc gagacttang gcccgttcgc tgtggtggga cttaatgacg cttttgacat    420
ctggggccaa gggacagtgg tcaccgtctc ttcangcagt gcattcgccc caaccctttt    480
cccccctctc cctgtgaaga attccccgnc ggatacgagc agcgt                    525

      <210> 347
      <211> 423
      <212> DNA
      <213> Homo sapien

      <400> 347
ccagacgctg acttgtttct gagtccttaa gcaggaagga tttgaaatcc tgaagcttgg     60
cagtcttgct cttcacctct aagccaatgt tgaccccttc atctataaag tccacaactc    120
tccggaagtc atcctcacgg aactgtcgag aagttaaggc tggggcccca agccgcaggc    180
cgcccggtgt gatggcactt cggtctccag gacaggtgtt cttgttggca gtgatggata    240
caagctctag cacccgctca gcccgagctc catccaggcc cttgggccgc aggtccacca    300
gcaccaggtg gttgtcagta ccacctgata ccagtgagta gcctcgctct agtaggcaat    360
ctgccatggc ccgagcattc ttcagaacct gcagggagta ctcccggaac atgggggtgc    420
agg                                                                  423

      <210> 348
      <211> 513
      <212> DNA
      <213> Homo sapien

      <400> 348
cctctaggcc tgatgctctc agaggcaata gaagaaaagt aaaaggaagg tctcacttca     60
cagacaatga aacctcccta accctcttcc ccactaccca caactcccta cactgccaat    120
ctaaataaaa agaggacaat gcatgagtgt gagatacaca tacacacaca cacatacaca    180
cacacacacg cacagcttcc tttcagccaa agaactgcaa aatccttccc cggaaggagg    240
acaactggca acaccaatca aggcttggtg gtctaaggtg atggctggaa tcatgtgaga    300
ctggtaaaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag    360
cccgccccac ttccacatag gggaactgtg gctctggggg cagccctcgc agctactcag    420
aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg    480
aatagctgga gatgggagct gcagggggct cag                                 513

      <210> 349
      <211> 231
      <212> DNA
      <213> Homo sapien

      <400> 349
ccttatttct cttgtccttt cgtacaggga ggaatttgac gtagatagaa accgacctgg     60
atcactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta    120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg    180
atatggactc tagagtagga ttgcgctgtt atccctaggg taacttgttc c             231

      <210> 350
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<211> 341
<212> DNA
<213> Homo sapien

<400> 350
ctgcccaagg gcgttcgtaa cgcgaatgcc gaagcgtggg aaaaagggag cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtcagacgg ctgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa 180
aacctcaccc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactaccc g 341

<210> 351
<211> 256
<212> DNA
<213> Homo sapien

<400> 351
ggcgttgggg acggttgtag gacgtggctc tttattcgtg agttttccat ttacctccgc 60
tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc 120
gctgagcaag caaaggtggt cctcgcggag gtgatccagg cgttctccgc cccggagaat 180
gcagtgcgca tggacgaggc tcggcataac gcctgcaacg acatgggtaa gatgctgcaa 240
ttcgtgctgc ccgtgg 256

<210> 352
<211> 368
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 352
cctttcttgt aagtgaagaa naaggaatgc agcaaagaag agttcgacat tggagtcctt 60
agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180
tctttcagtct tgctgacagt caaagagcaa gtgaaaccat ttccagccta aactacataa 240
aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg 368

<210> 353
<211> 368
<212> DNA
<213> Homo sapien

<400> 353
ctgaggggtg gcagtaagca atgaggatgg gctataaagc tgcttaactgg ctaagggcca 60
tccttgggca ggcatttcag acacatctgt agagagggca gtagcatctc cgataggcca 120
gctctgaggg aagcttaatg cctaatacag tcacactgca taaattagct tagaatgctc 180
tcttgggtaa aaaatattaa tagtgtatat gcacttgaag agcaaaattc ctcaagaaaa 240
aaagtttaat agcaaggagt ttccatcagt cccggtcttt gtgaggatta ccacaacaaa 300
cacttaaaag gatacaacag gtacttatta aatgctgcct tgccttttac ctcttccttt 360

tttttttt 368

<210> 354
<211> 380
<212> DNA
<213> Homo sapien

<400> 354
ccatggcttc tcacccagac agtctttctg ggcaacttgg ggaagcccct gttctgctca 60
agtctcacct catggaagag gtgggggaag gggcccttgg tttttcagga agacaggttg 120
gagagcacga gtcactacaa agcagtaaaa gtgaatggtg tctccagggg ctgggtccag 180
aacaccacgg agagccccag ccataaaggt gtgttccgcc tctggcctgc aggaatctct 240
ttgaatctct ttgattggtg gctccaagag caatgggaag tcaacagcca ggaggctgga 300
ctgggttccc tgggaccccg aggtcccaga gctgctgggc agtggttgtc ggcaaagaag 360
aaaggtccaa gagggtcagg 380

<210> 355
<211> 347
<212> DNA
<213> Homo sapien

<400> 355
ccagtggagg ggtgggggta tcgatcccgc cgggggctgg cttggttgct ggtgccctga 60
gcccttctct gcccgcctgg gtgttgcctt cactgatgga ggtaggcgtc cagccagatg 120
tcaccagact tcttcgggga cctgacgatg tccaccagcg cggtgaggaa gggcttcact 180
tcgtagctga ggccgtgctt ggcacacagc gacttgacca gcgggggcac ccggctgtag 240
ttgtgtctcg gcatcctggg gaagaggtgg tgctcgatct ggaagttgag gtgcccgctg 300
aaccagttgg tgaaaagtga gggctccacg ttgcaggtgg ctgccag 347

<210> 356
<211> 157
<212> DNA
<213> Homo sapien

<400> 356
cctggagctg ctgaagactg ctattgggaa agctggctac actgataagg tggtcatcgg 60
catggacgta gcggcctccg agttcttcag gtctgggaag tatgacctgg acttcaagtc 120
tcccgatgac cccagcaggt acatctcgcc tgaccag 157

<210> 357
<211> 323
<212> DNA
<213> Homo sapien

<400> 357
ccatacaggg ctgttgccca ggccctagag gtcactcctc gtaccctgat ccagaactgt 60
ggggccagca ccatccgtct acttacctcc cttcgggcca agcacaccca ggagaactgt 120
gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcata 180
tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
caaggcgggg ctcctgatgc tgg 323

<210> 358
<211> 555
<212> DNA

<213> Homo sapien

<400> 358
aaaaggtttc taaaacatga cggaggttga gatgaagctt cttcatggag taaaaaatgt 60
atttaaaaga aaactgagag aaaggactac agagccccga gttaatacca atagaagggc 120
aatgctttta gattaaaatg aaggtgactt aaacagctta aagtttagtt taaaggttgt 180
aggtgattaa aataatttga aggcgatctt ttaaaaagag attaaaccga aggtgattaa 240
aagaccttga aatccatgac gcagggagaa ttgcgtcatt taaagcctag ttaacgcatt 300
tactaaacgc agacgaaaat ggaaagatta attgggagtg gtaggatgaa acaatttgga 360
gaagatagaa gtttgaagtg gaaaactgga agacagaagt acgggaaggc gaagaaaaga 420
atagagaaga tagggaaatt agaagataaa aacatacttt tagaagaaaa aagataaatt 480
taaacctgaa aagtaggaag cagaagaaaa aagacaagct aggaaacaaa aagctaaggg 540
caaaatgtac accac 555

<210> 359
<211> 549
<212> DNA
<213> Homo sapien

<400> 359
ctgccaggct gagaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggc 60
agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacagca gagcccactt ccatcctctc tggtgtgagg cacagcgagg 180
gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc 240
aggaaaaacc agccactgct ctacaggaca gggggttgaa gctgagcccc gcctcacacc 300
cacccccatg cactcaaaga ttggattttc cagctacttg caattcaaaa ttccgaagaa 360
taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattgtt aagttaagct 420
ttttcaaaaa atcagcaatt ccccagcgtc gtcaagggtg gacactgcac gctctggcat 480
gatgggatgg cgaccgggca agctttcttc ctcgagatgc tcttgctgct tgagagctat 540
tgctttggt 549

<210> 360
<211> 289
<212> DNA
<213> Homo sapien

<400> 360
tttaaatttt actagtgtta cttaatgtat attctaaaaa gagaatgcag taactaatgc 60
cctaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttattttttt ctgtaaagta 120
taatatataa aacttcttgc ttaaattgaa tttctatatt agtggttaat tgcagtttat 180
taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac 240
agaattagga atttgagata tctgattata tttttcatat gaatcacag 289

<210> 361
<211> 311
<212> DNA
<213> Homo sapien

<400> 361
ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt 60
gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat 120
ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg 180
ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag 240
gccaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc 300
atctgcagca g 311

<210> 362
<211> 496
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 362
ccagtttcta aaaaaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac 60
aactctgaga tgaacaatat gtgttatact cagagattaa caatctcaat catacatact 120
gatttcttca gacatttaat aaccactaca tttttttgca ttaatgaagt ttgactatat 180
gtgtaaaggg actaaatatt tttgcaacag cctgttcttt gttcattctt ttctggatag 240
cctgtcctct gtattgcggt agatttatac atttgttgc ctaaatatgt gtgtaaaatg 300
agctgataaa ctggagtact acttaaaaaa aagtctgtga tttataagat gcatatgctt 360
tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat 420
cccccgtccc ccagtctgac atatttcata cagaatgttt aaaagaaaaa ctctgctagt 480
cttggcaaac atttgg 496

<210> 363
<211> 673
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 363
ccaagaggga gataanacaa acttctcaaa caaaagaaaa aggaaaacga atgattcatc 60
tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccgttt ctgctgtact 120
atctggatac taaaatgtta cggaagtagc tctttgttct ccctcactct gcccttagtt 180
aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag 240
ttgagcgcgt tcttagcagt tggcttcatg gacagctcat tagtgttttg acttttctta 300
cccagcgtta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc 360
cctttagtac agttcaagtg aatctggata attgttcatc tttgctttag cttagatacc 420
atgtagtggt ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa 480
actgtctgac ttcgtgaata tagagaccaa gtttaccact tctgatgaag agaccaatta 540
agattcattc ctcattctgt ttctttccag tgggagaaga gtccccatga aataagatga 600
aactgattcc atgcactagt acatgtaggc ttctcccttg cgcaaagctt aacaatttgt 660
aggaaacttt ggg 673

<210> 364
<211> 495
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

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        <400> 364
ccaaatgttt gcncaagact agcagagttt ttctttttaaa catctgtat gaaatatgtc      60
agactggggg acggggggatc tctttctaatt cattgttttt cttttaaaca ttgtgcacaa     120
gcttatattc acatagaaag catatacatc ttatasatcs cagacttttt tttaagtagt     180
[illegible] [illegible] tttacacaca tatttaggca acagaatgta taaatctacc     240
gcaatacaga ggacacacta tccagaaeag aatgaacaaa gaacaggctg ttgcaaaaat     300
atttagtccc tttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta     360
aatgtctgaa agaatcagta tctatgattg agattgttaa tctctgagta taacacatat     420
tgttcatctc agagttgttt tgtttctaaag ccgtggtaga tgctttcttt taaatgtgca     480
tttttagaa actgg                                                         495

        <210> 365
        <211> 291
        <212> DNA
        <213> Homo sapien

        <400> 365
aactgacaag cccttgcgcc tgcctctcca ggatgtctac aaaattggtg gtattggtac      60
tgttcctgtt ggccgagtg gagactggtg ttctcaaacc cggtatggtg gtcacctttg      120
ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg     180
aagctcttcc tggggacaat gtcggcttca atgtcaagaa tgtgtctgtc aaggatgttc     240
gtcgtggcaa cgttgctggt gacagcaaaa atgacccacc aatggaagca g               291

        <210> 366
        <211> 277
        <212> DNA
        <213> Homo sapien

        <400> 366
ctgggatggtg cctcagaagg tgcattctgc ttctgcaggg gcttgaaaca ccaaggcact      60
ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg     120
gggtagcccg cagtccaccc tgtccttggc tggcacggca cactggtttg cagacaggcc     180
cacgtactcc tcagcagagc tggaggacaa gcaaggccag caccagcccc agcatgcaga     240
gcgctctggc agccatgacc accgtgggct ccgggac                               277

        <210> 367
        <211> 311
        <212> DNA
        <213> Homo sapien

        <400> 367
ccagagctgc ggggcctcag tacacgggagc tgttccggat gccacagcac agcaccatgc     60
tcaggatcat ctcgaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt     120
acagcttccc ggaggaagagg tcatcgatct tctggtggca gtcctccttg aagaggttgc    180
tgatgatgtt gctgcccgag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag     240
tcagtgtgct ggagcccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg    300
cgttgttggc g                                                            311

        <210> 368
        <211> 384
        <212> DNA
        <213> Homo sapien

        <400> 368
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ccaagggggt ctctagctgc tgctctgctg ctcctgctca tggatgagtt tggcgatggg      60
gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcaggatt     120
ggcatccagc ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat     180
gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac     240
caggctgtac ctagacacat atttgtagaa gtcttccacc cggacaatga ctgccttctc     300
cagctccgtg tagcaagtct gacatctccc tgcttcgcct gctggcgggg cctaaggcgg     360
gggccaagcc cagttacagc ccag                                            384

      <210> 369
      <211> 216
      <212> DNA
      <213> Homo sapien

      <400> 369
ccaagtgcca ggtggctttc agcagcttcc tacgatcagc cgaagaaagc agaagctctg      60
gaggctgcca tccagaacct caatgaagcc aagaactatt ttgcaaaggt tgactgcaaa     120
gagcgcatca gggacgtcgt ctacttccag gccagactct accataccct ggggaagacc     180
caggagagga accggtgtgc gatgctcttc cggcag                               216

      <210> 370
      <211> 561
      <212> DNA
      <213> Homo sapien

      <400> 370
ctggctcctt cttttgtggt cgtttggggg atgggctggt ttggggttta ggtgcagaga      60
atggtttggg gccactgcgt actggaccac tctgagcctt cagggcaggg ttcttgtgag     120
tcttcatgtc atcagatacc tgttttaggg catgtgtact gctctccccc tgattaatct     180
gcgcgaacag tgctgagcgg gaagcagact catctgagcc tgaactggta gagactgggg     240
gaggaggggg gcctggtgga gggggaggag gacctgatcc ggcagagggt ccagatggca     300
gtccgctcag ttcttttgcc acaggccccg ttttgctcca ggccagtccg gtggtatgga     360
actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcta     420
catgcttctt atccacatct ttgtactctt tgaggactcg gtttgtataa aacatggcgg     480
catcattcat ttctttcgca taagggccag gcttgggagc catagccacc cagcccaggg     540
cctggatact ttcgctgaca g                                               561

      <210> 371
      <211> 518
      <212> DNA
      <213> Homo sapien

      <400> 371
cccactttca tcgctctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc      60
agcctccaca cctaccacga cctcccaggg ctgggctcag gaaaaaccag ccactgcttt     120
acaggacagg gggttgaagc tgagccccgc ctcacaccca cccccatgca ctcaaagatt     180
ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa     240
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc     300
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag     360
ctttcttcct cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaggg     420
ggtttctttt tgtctttctg taaggtggac ttccagcttt tgattgaaag tcctagggtg     480
attctatttc tgctgtgatt tatctgctga aagctcag                             518

      <210> 372
      <211> 335
      <212> DNA
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<213> Homo sapien

<400> 372
ctggaggctg ggtgcaccct gcccagatcc acacctgtac cccggcggaa aggctcatgg 60
gcattgaaga cggtggtgaa aaagccaaag ggaaaagcac caacaccaaa tgagaagtgg 120
[illegible] tatcaggaaa tggctggaat ccccctctgc tctccgaggc tggtctctgg 180
ccctgggggc ggggtgggagt ttttaatctg ggatcctggg gcttctggct ccctcgccca 240
taaagcggga caaccttctc tctgctgatc ccagctttac atactggaca ctcttgccgt 300
tctggccgtg tctccagcca ctgatgaaga catgg 335

<210> 373
<211> 467
<212> DNA
<213> Homo sapien

<400> 373
ccactagctg aatcttgaca tggaaggttt tagctaatgc caagtggaga tgcagaaaat 60
gctaagttga cttagggggct gtgcacagga actaaaaggc agggaagtac taaatattgc 120
tgagagcatc caccccagga aggactttac cttccaggag ctccaaactg gcaccacccc 180
cagtggctcac atggctgact ttatccctcg tgttccattt ggcacagcaa gtggcagtgt 240
ctccaccacc tatgatggtg atgcagcccc tagaagtggc tttcaccacc tcatccatga 300
gagctttggt tccccgggca aaagctttccc attcaaatac ccccacagga ccattccaca 360
caatctgctt agcccgagtg acagcctcag catacttctt gctgctttca ggaccacagt 420
ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg 467

<210> 374
<211> 284
<212> DNA
<213> Homo sapien

<400> 374
tttccgtaaa agcgtgtaac aaggggtgtaa atatttatac ttttttatac ctgttgtgag 60
acccgagggg cggcggcgcg gtttttttatg gtgacacaaa tgtatatttt gctaacagca 120
atttccaggct cagtattgtg accgcggagc cacaggggac cccacgcaca ttccgctgcc 180
ttacccgatg gcttgtgacg cggagagaac cgattaaaac cgtttgagaa actcctcccct 240
tgtctagccc tgtgttcgct gtggacgctg tagaggcagg ttgg 284

<210> 375
<211> 307
<212> INA
<213> Homo sapien

<400> 375
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat 60
ttgatgactt ccgagaagca tattattggc tccgtcataa tactccagag gatgcgaagg 120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag 180
tggacaataa cacatggaat aatacccata tttcccgagt aggcaggca atggcgtcca 240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300
ttggagg 307

<210> 376
<211> 650
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

<400> 376
ccattgnctn ctnacgtgat gtcatcatct gccaggtcat cttggcaaaa gtcggagcat 60
ttctcagtca ctgcaaagta gccttcctcg ttggagcacc ggaagagacg tgtgtgtttc 120
atgtactcgg catcgtcatc atagggcttc tgtgccccaa tgcccaccca gaagaagttc 180
tcaggctcct caccttcgtt gataacctgc ttgctgtagg aggtgtcaaa catggtgttc 240
aggatgtctt ctgccaactt ggcttcgtca gggtctgatg cccggcccac ccaggcatac 300
acgatgccct ggttgtcctc actctcaaag ggaaccttga ggatgaagca gaactcggag 360
ttgcggaggc tggagtcgat gttgatctgg atgcaccggg tgcagagggc gctgccgttg 420
gtgcggatct ggtagaggct gggctgttgg gcgccctgga ccgccttcct cttgccccgg 480
tggatgatga acttcctctt gaaatgggac aggaacttgg ggttctcctg ctgctgcgtc 540
atgcgtacca cctccagctt cccagggaag aggctctcga acttcttttg caggctgaag 600
gtgaaggtga cccacccata ttgggaggct ttcacggccc tgccagaagt 650

<210> 377
<211> 306
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 377
tctagatgca tgctcgagcg gccgccagtg tgatgganat ctgcagaatt cgcccttcga 60
gcggccgccc gggcaggttc gggtgctgcc ttcacctgcc aggcccttcc ccgctagctt 120
ggggcgagca gagctgcgtc cagtggaact aaagccgttc caggattatc aaaaactgag 180
cagcaacctt gggggacctg gatcatcacg gactccccca actggaaggt ccttctctgg 240
tctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttcc gcacccagcg 300
cgtcga 306

<210> 378
<211> 199
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

<400> 378
ccacangtgg cacttgggtg tggctcctct gttatttgtc ctcatgtgag aaagcagatc 60
atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg 120
ttttggtttt tcttccctag cttattttgt ggcttttaaa gaagtggatt gtattgtgag 180
atcctgtgat tcctggtgg 199

<210> 379
<211> 216
<212> DNA

```
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 379
ccagggcang tcatcaagag gggcattgtc ttgcatgcgg cctgccgtgt ccacccagcac      60
cacgtcaaag ccttggttac gtgcaaaagc aatggcttcc atggcaatgc cagcagcatc      120
cttgccatag cccttttcaa acaactgcac catggtgcgg ccacccatgct tctctggagg      180
gtgtagggca ctcaaacgcc gggtgtgtgt acgcag                                216

<210> 380
<211> 555
<212> DNA
<213> Homo sapien

<400> 380
ccatgggcct tcctttccac taaaaggaat tccgaacagc aaaaagaagg tcttgagata      60
gtgaaaatgg tgatgatatc tttagaaggt gaagatgggt tggatgaaat ttattcattc      120
agtgagagtc tgagaaaact gtgcgtcttc aagaaaattg agaggcattc cattcactgg      180
ccctgcccat tgaccattgg ctccaatttg tctataagga ttgcagccta taaatcgatt      240
ctacaggaga gagttaaaaa gacttggaca gttgtggatg caaaaaccct aaaaaaagaa      300
gatatacaaa aagaaacagt ttattgcttc aatgatgatg atgaaactga agttctaaaa      360
gaggatatta ttcaagggtt ccgctatgga agtgatatag ttcctttctc taaagtggat      420
gaggaacaaa tgaaatataa atcggagggg aagtgcttct ctgttttggg attttgtaaa      480
tcttctcagg gtcagagaag attcttcatg ggaaatcaag ttctaaaggc tttgccccaa      540
gagatgatga ggcag                                                       555

<210> 381
<211> 406
<212> DNA
<213> Homo sapien

<400> 381
ctccaccagc tgggcctcta ggtcccatta agcccattgg tccaggccca agtccaactc      60
cttttccatc atactgagca gcaaagttcc caccgagacc agggggccca ggaggaccag      120
gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac      180
ccctttctcc acgtggtcct ctatctccgg ctgggccctt tcttacagtt tcctcttgta      240
aagattggca tgttgctagg cataaggtta ctgcaagcag caacaaagtc cgcgtatcca      300
caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgcag agcccctggg      360
tcaccggcgg aggtatcacc tggcgggcgc gggcatgcag tcgtgg                     406

<210> 382
<211> 528
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 382
```

```
ctgagcagtt tgtgggtntn tcttcccgca agtttcagga agtattcaca aaagaaaaat        60
acattttttc ccccaggggt ggggcaagga cagtggagag agtgctaggg aatgagtccc       120
ctgggaaagg ggaccgggcc gtgatgttaa atatctccgg ctcccaagtg actggatttg       180
cctaggacct tcagaccaac agacttcaga ccctcagacc tgccccgggg ccaggtggag       240
aaagtgaggg ccgtacaagg aagtgaaatt ctgagttgtt ggggctaagc ctgaccccct       300
ctccatgctc cccgccccaa cccactctgg cctcagtaga tttttttttc agttgtggtt       360
gttgcccagg ctggagtgca gtagcgccat cttggctcac tgcacctcca ccttccgggc       420
tcaagcgatt ctcctgcctc agcctcctga gtagctagga ctacaggtgc tccaccacgc       480
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg                    528
```

```
      <210> 383
      <211> 335
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(335)
      <223> n = A,T,C or G

      <400> 383
ccatnttgag tctactcctg cgtcttgtgc cctagcaccc cgagaacggt cagtttgagc        60
cagatggaag ctaagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa       120
atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagttggg       180
gaaacgggtg ttccgaataa tatcctggaa gttatcagga cacctatttt aaatataggc       240
ctgaattttg taaagtaata tttaaggtgg tccgtgataa ttaaataaaa tgcttaattc       300
atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaa                                 335

      <210> 384
      <211> 333
      <212> DNA
      <213> Homo sapien

      <400> 384
agtccaatac ggctattggg gttgtagcag ctttcagaag aaattagtgg tctgggcctg        60
cctccagctc cccaggggca gccccagtag ctacactgtc cagacagcac aagaccaggc       120
tggtgtcacg tccatccgag cgctgcccca gggatcgatc aagtttcact gcagaaagtc       180
tccactgcgg tatgctgaca tctgccctga accttcaccc tacagcatta caggctttaa       240
tcagattctg ctggaaagac acaggctgat ccacgtgacc tcttctgcct tcactgggct       300
ggggtgatcc ttggtgcctt tgtttccaca agg                                   333

      <210> 385
      <211> 343
      <212> DNA
      <213> Homo sapien

      <400> 385
ctgtgacacc tcaggttgaa agggtcttcc tccttgaaca cccaccgagg ggcctggagc        60
aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc       120
tggcacctgt actctccact gtcgtcgact gtggcagcgt caatgaagta gctcgaggcc       180
tggcttgaga tgaggctctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag       240
gctccctggc acttcagagt cacactgtcc ttctcgagca ccctgtacca ttgaggctcc       300
aggaacacca cagcctttgg gagatcttca gtccgcatgc caa                         343

      <210> 386
```

<211> 244
<212> DNA
<213> Homo sapien

<400> 386
```
[illegible] [illegible] [illegible] gaactaatag caaccaggca actgaggacg        60
aagtcaaaaa gtcggtaaca gaagaatgga atcagccaac ccacttgata agaaattgct       120
ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag       180
gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg       240
acag                                                                    244
```

<210> 387
<211> 504
<212> DNA
<213> Homo sapien

<400> 387
```
atctggagtc cagcctcagg gatgcgctac tttccattct ctgcattgaa cattcgttct        60
gtcagcatcc gctccagctt cactgcatca gcggcaaact tgcggatccc gtcagagagc       120
ttctccacag ccatctggtc ctcgttgtgc aaccaacgga aagacttctc atccaggtgg       180
atttttttcca ggtcactggc ctgggccgcc ttggctgaga gcacaggcac cagcttggcg       240
ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc       300
agtgctttga tctcgcccgt gttgcggaag gaggcgccca tgacaatggt tttgtagcta       360
aacttcttgt agtagttgta gattttagtg acactcttta ccccaggctc ttccaggggc       420
tcataggatt tcttgtcggt gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg       480
gagatgaggg tcacacccgc ctcg                                              504
```

<210> 388
<211> 450
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 388
```
gccaaagtgc tgcntgaatt ccactccctt ggttttcgcc tgccccagcgt tgctgtttgc       60
gtgggaggtg ggggggagctc agtggcaggg aatcagcggt ccgtggggtc gtggggacgg      120
gaacatgtgc ccgaccgctc catcccctcc tcctccttag gatgcataac ctaccttgtc       180
tttttttttt taaatttttnt ttccaggtan agtagctntt tgtacataaa naatacttga      240
aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgtatg      300
actgccatgc gttccaccaa aaagccactn tattttggtc tntgtgacat tttaaatgcg      360
tgacaaaagt gagcaaataa agngaggaan aaatntatnt atganataat atanattgta      420
ttgaaatcta aaaaaaaaaa aaaaaaaaaa                                        450
```

<210> 389
<211> 237
<212> DNA
<213> Homo sapien

<400> 389
```
cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg        60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt       120
```

caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 390
<211> 223
<212> DNA
<213> Homo sapien

<400> 390
ctgggctgga gagttggtgc tggcaaaaca gtccttcccc tggggccggt tcttacccag 60
gtccagagaa accaacgcgg gatgtcagac ttcaccaaaa ggactttctg gttgcccctg 120
gctggcttcc tggaggcgtt cgcctctagt ttctcaggga tggagcgaga gcccagccag 180
agaacagtaa gaggagctgc tctcctatct gcactcaccc agg 223

<210> 391
<211> 365
<212> DNA
<213> Homo sapien

<400> 391
ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gcccactggc ctcctgtgaa 60
ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120
ctggggctgc ccagcctgac cgtaggggat ccactggcag agccaaggtg gatgctggtg 180
cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggtcctagaa 240
ctcccagcag aacagaacgg aaaaggagct gattggggat agactgagtt ctgctaacca 300
gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
ggtgg 365

<210> 392
<211> 302
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(302)
<223> n = A,T,C or G

<400> 392
gcaagagcta caatgagcag cgcatcanga cagaacgtgc aggtttttga gttccagttg 60
actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120
gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 180
tgcctgatgt ctaccagaag ccctgtgtgt ggatggtgac gcagaggacg tctctatgcc 240
ggtgactgga catatcacct ctacttaaat ccgtcctgtt tagcgacttc agtcaactac 300
ag 302

<210> 393
<211> 213
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(213)

```
      <223> n = A,T,C or G

      <400> 393
ccaataatca agnacaaana ctggatttga ggatggatca gttctgaaac agtttctttc      60
tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat     120
[illegible] [illegible] tggaaaggga aggccaatgt ccggtagatg acaaggtgaa     180
tttccatttt attctgttta acaacgtgga tgg                                  213

      <210> 394
      <211> 334
      <212> DNA
      <213> Homo sapien

      <400> 394
cctacccata atccagagag gcttgcccag aggaggacta cgtgggggac gtgcccacag      60
aaccctactt gggggcggga tgtcactccg aggtcaaaac ctgctccgag gtggacgagc     120
cgtagctccc cgaatgggct taagaagagg tggtgttcga ggtcgtggag gtcctgggag     180
agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcggggtat     240
gatgggtcgg ggaagagggg gcttggaggg ccgaggccga ggccgtggac gagggagagg     300
tgcccttgct cgccctgtat tgaccaaggg gcag                                 334

      <210> 395
      <211> 174
      <212> DNA
      <213> Homo sapien

      <400> 395
ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaatttcatg gtatatgctg      60
cacttcccca acctttcact tccatgtagc ctactgggtc tactattcca caaagtggct     120
caacctccaa atgacctctg gtttacccct attaaaatcc caaaggactt tcag           174

      <210> 396
      <211> 140
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(140)
      <223> n = A,T,C or G

      <400> 396
ctgcaaagcc ttgtgtaacn ttctccagca tttggaccca gtacgtgaaa gcccacaaca      60
cgttcattgt ctttagtatt acagattatt tttgcataac atttgttgtt atctcttgac     120
ggaatcgtcc attccaatgg                                                 140

      <210> 397
      <211> 318
      <212> DNA
      <213> Homo sapien

      <400> 397
cctcgcctgg agggcccccg ggcagcacag ggaggacgag cttgtccagc agagggtctg      60
gcagagggtc ccgcagaggt ttggccaggg ggtctgacat ccctggctcc tgctctggct     120
ctggctgccg ggatttgcac aggcccaggt gcatacagat gccgtttgag tcagtctggt     180
```

tctggaagta gttgatgacc agggggaagt agtcgtcaag cacttggttg cactggggca 240
tgagcagctt caagggaggg acgttgcact cctgctccag gaacttcctc atcgtgtcct 300
ggaaaatggc ctccttgg 316

<210> 398
<211> 517
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(517)
<223> n = A,T,C or G

<400> 398
ccttnctttg gcatccattc atcgaccctc tccagcactt gctgcaggct tggctgacca 60
tccaccatgg cttgaataat cccggtgagc tctgtacaga atggggtaag ctgtggatgg 120
actacaggct ggacatacat gtgaaaggta gactcaatct ccatggtccg gccatttagc 180
tttaggatgg ggaacttgat gatttcctga ggatgaatct gtggcttgtc gcacgtggcc 240
tcaaagtcca gcactaaaaa gtagtgatac ctctggagag ggaaggacac cattgccgcc 300
atggatgcgc caaagccgtg ggccgccagc tttctggtgg atatggagca gaactccgga 360
acaccacagg gagaaaataa gtgggagccc agcactttcc ttgctcttga aagtaaatac 420
gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct 480
aaaactctcc ttacttcgaa gatgccaaga ccggcag 517

<210> 399
<211> 329
<212> DNA
<213> Homo sapien

<400> 399
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
agcattgaag gcaacctgga aatgaggccc acagactcaa agttactctc cctcccccta 120
cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
ttagggcaag agccaggtat agtctccctt cccagaattt gtaactgaga agatcttttc 240
tttttccttt tttcggtaac aagacttaga aggagggccc aggcactttc tgtttgaacc 300
cctgtcatga tcacagtgtc agagacgcg 329

<210> 400
<211> 451
<212> DNA
<213> Homo sapien

<400> 400
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcacc ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag ctgctggagc tggcaaggtc accaagtctg cccagaaagc 360
tcagaagcta aatgaatatt atccctaata cctgccaccc cactcttaat cagtggtgga 420
agaacggctc agaactgttt gtttcaattg g 451

<210> 401
<211> 180

<212> DNA
<213> Homo sapien

<400> 401
ccaggaagca ggccagggga ttggcagcac tgcccagcac cacagccagg tggtaggcca 60
[illegible] [illegible] gaaaacctct gcacggcagg cagcacccca ttggtcagcg 120
cgttggtggc ggccaacagg cccagcaggc aggcactgcg ggctgataga agctgatagg 180

<210> 402
<211> 385
<212> DNA
<213> Homo sapien

<400> 402
ccagggcacc tgtgcggggc tcctcgatgt ggaaggttcg ggtgagggga ttgtagaagg 60
agccgtagca cacggccacc acagtgcacg tgaggcagat cacgttgtag ggcatgctga 120
agtccggtgt cggcaggttc accagcagcg gctccgtgta gagccgcaca aagtagttag 180
agccatcaga gactggaaac aggctgttga agaggggact ctcttcccag tccactggct 240
tggctgctac catgctgggc acaagggcgc tgaggacaga tgggctgaca tagaagccat 300
ggttaggatc tggcgtgtac tcggtccact tcagcagcgc ccgctcaaac tggatggaaa 360
ccttggtgac tgagttggcc ggcag 385

<210> 403
<211> 440
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 403
ctgtttaacc agnaacccgg ggggtcaccc cccacagaat gtacatgaaa cactagagga 60
ctgcatgttt ttccctgaga gaagcgtaag acaaacagaa gtcaaaaagt agtcactggg 120
agcgccatcc ttctaagcaa atcctccctt tcccttttgg aggatttgcc cgaactacgt 180
agccagtcag cacttagacc acctgcctcc tcccccccct ataaacccac cactcccctc 240
ctcctttccc aaaccacttg gggtgtccta agccctcact gccccaagcc caaaatatca 300
gctaagatcc ttgtcagtat ttccacagtc atacctaatg aattgggaag tggggcccct 360
aaaaaccaat tcacatctat gcacttgttt ccactggatt tggcagacag gcttttttag 420
ttaccgtaac cagatcttaa 440

<210> 404
<211> 239
<212> DNA
<213> Homo sapien

<400> 404
cctacgaaaa actcccggcc ggtgaagaga acgtcagtgc catccagcgt cgcgttctcg 60
tctcctattt ccacaattcg gagccccagg tcttgcaggg ctttgcggac tccatcgacc 120
tctggcctac gagcggggct ccagggccgc gtgattaggg ccgtgtcccc ttggatcacg 180
gccgtgtcgc caagcagcgg tcccagcggc aatgactcct caggtggcag ttctagcag 239

<210> 405
<211> 261

```
      <212> DNA
      <213> Homo sapien

      <400> 405
ctggagaggc agcccttcac cggatgccca gctccgtgcc cctgcgggcc ccagcacagt        60
ttaccttctc cccccacggc ggtcccatct actctgtgag ctgttccccc ttctacagga       120
atctcttcct gagcgctggg actgacgggc atgtccacct gtactccatg ctgcaggccc       180
ctcccttgac ttcgctgcag ctctccctca agtatctgtt tgctgtgcgc tggtccccag       240
tgcggccctt ggtttttgca g                                                 261

      <210> 406
      <211> 641
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(641)
      <223> n = A,T,C or G

      <400> 406
ctgctccggg gcntggtggc agcagtagca catcgggcct gtgcagggcc acccccttgg        60
gccgggagat ggtctgcttc agtggcgagg gcaggtctgt gtgggtcacg gtgcacgtga       120
acctctcccc ggaattccag tcatcctcgc agatgctggc ctcacccacg gcgctgaaag       180
tggccttggg gtggctctcg gagatgttgg tgtgggtctt cacagcttcg ccattctggc       240
gggtccagga gatggtcacg ctgtcatagg tggtcaggtc tgtgaccagg caggtcaact       300
tggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggatgg       360
ctgtgtcttg atcgggcaca cacatggagg acgcattctg ctggaaggtc aggcccctgt       420
gatccacgcg gcaggtgaac atgctctggc tgagccagtc gctctctttg atggtcagtg       480
tgctggtcac cttgtaggtc gtgggcccag actctttggc ctcagcctgc acctggtccg       540
tggtgacgcc agaccccacc tgcttcccct cgcgcagcca ggacacctga atctgccggg       600
gactgaaacc cgtggcctgg cagatgagct tggacttgcg g                           641

      <210> 407
      <211> 173
      <212> DNA
      <213> Homo sapien

      <400> 407
ccaggtactg gcacaatcat gtctggatgg gggtggtggt gtcctgtagg cagagaaaca        60
ggaaactgtc gtagtcagta tcgagcagcg tggcctcgtt cgccaccgta tagttgatct       120
tgaacttctt tggattctca gtcttctctc caaggacctt ctttcaaaca cag              173

      <210> 408
      <211> 165
      <212> DNA
      <213> Homo sapien

      <400> 408
ccactgtctg cagccatggc agaaagtgct caaagtccag caccttcaca ttcatctcat        60
cactcttggg gttcaccagg accttgagca cctcggcgtt ggtcgggttc tggcccaggg       120
ccctcatcac atccccacac tggctgtaca ggatcttgcc atcac                       165

      <210> 409
      <211> 329
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<212> DNA
<213> Homo sapien

<400> 409
ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60
[illegible] [illegible] [illegible] gtggtctcca ctcccgcctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc 180
agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
gcagccttgg gctgaccaag gacggtcagc ttggtccctc cgccaaatac cgccggataa 300
gcaccactgt tgtctgctga ttgacagau 329

<210> 410
<211> 235
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 410
ccatcagnga gaaaggtgtt tgtcagttgt ttcacaaacc agattgagga ggacaaactg 60
ctctgccaat ttctggattt ctttattttc agcaaacact ttctttaaag cttgactgtg 120
tgggcactca tccagtgat gaataatcat caagggtttg ttgcttgtct tggatttata 180
tagagctttt tcatatgtct gagtccagat gagttggtca ccccaacctc tgag 235

<210> 411
<211> 294
<212> DNA
<213> Homo sapien

<400> 411
aattaaggga agatgaagat gataaaacag ttttggatct tgctgtggtt ttgtttgaaa 60
cagcaacgct tcggtcaggc tatcttttac cagacactaa agcatatgga gatagaatag 120
aaagaatgct tcgcctcagt ttgaacattg accctgatgc aaaggtggaa gaagagcctg 180
aagaagaacc tgaagagaca gcagaagaca caacagaaga cacagagcaa gacgaagatg 240
aagaaatgga tgtgggaaca gatgaagaag aagaaacagc aaaggaatct acag 294

<210> 412
<211> 433
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 412
cctgagaagc cagaggcagg tggagagggg gtggaaagtg agcagcgggc tgggctgggg 60
ccgcacacgc tctcctccca tgttaaatag caccttttaga aaaattcaca agtccccatc 120
cacaaaaaaa aaaanaanaa aaatttcagg gantaaaaat anactttgaa caaaaaggaa 180
catttgntgg cctggggggg catctnantt tntntagcnc cagngattcc ctccccnccc 240
caccccatcac atanatgtaa caccttttggt ntaaaatggg gagccgtttc caccntgncc 300

ccntccccgc ccccaggcag ttgccccggn gacacntcaa gacaggancg aggtagtntt 360
tcancancac agttncacaa ggaacagaac agtntctccc gcccagccct gcggcacaag 420
ggattgacac gcn 433

<210> 413
<211> 494
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 413
ccttatttct cttgtcnctt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggaggtt gggttctgct ccgaggtcgc cccaaccgaa atttttaatg caggtttggt 360
agtttaggac ctgtggcttt gttaggtact gtttgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccgcc tcttcacggg caggtcaatt tcactggtta 480
aaagtaagag acag 494

<210> 414
<211> 294
<212> DNA
<213> Homo sapien

<400> 414
ctgggcggat agcaccgggc atattttgga atggatgagg tctggcaccc tgagcagtcc 60
agcgaggact tggtcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtctgtgc gctagctgcc atgaagtcac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggaacagct cgtacacctg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctctctcttg cgctgagcta aagctaccta caatggcctt gtgg 294

<210> 415
<211> 421
<212> DNA
<213> Homo sapien

<400> 415
ccttgcccct gccctcccac gaatggttaa tatatatgta gatatatatt ttagcagtga 60
cattcccaga gagccccaga gctctcaagc tcctttctgt cagggtgggg ggttcagcct 120
gtcctgtcac ctctgaggtg cctgctggca tcctctcccc catgcttact aatacattcc 180
cttccccata gccatcaaaa ctggaccaac tggcctcttc ctttcccctg ggaccaaaat 240
ttaggggcct cactccctca ccgcccatgcc ctggcctatt ctgtctctcc ttcttccccc 300
tggcctgttc tgtctctgag ctctgtgtcc tccgttcatt ccatggctgg gagtcactga 360
tgctgcctct gccttctgat gctggactgg ccttgcttct acaagtatgc ttctcccaca 420
g 421

<210> 416
<211> 343
<212> DNA

```
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(342)
        <223> n = A,T,C or G

        <400> 416
ccactttctt tcccacnctg gaaggcggca tctatgactt cattggggag ttcatgaagg        60
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca       120
aggggagcta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt       180
cccgctgcac tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc       240
agatgaccat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggtct       300
ggatgataac acgctatgat ctgtacccaa ccttccggcc gg                          342

        <210> 417
        <211> 389
        <212> DNA
        <213> Homo sapien

        <400> 417
tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgtc        60
agagcaaaca cagatcgcag gtagccctgg agctgaggaa tagctttgat ttttggtaaa       120
atttgtgagt ccacagcttt ctgatcaatc ttgcgctgct ccgtaatctc atatttctct       180
ttttctgtgt cgaagatctc accttcctgg tgtctgggct tccgcagctt cttcttcttg       240
aagtaagcat cagtaagatg ttttgggatt tttacattgc tgatatcgat tttggttgaa       300
gtggcaatga caaatttctg gtgtgttctt cgtagaggaa ctcgattgag gaccagaggt       360
ccagtcacaa gtactaagcc actagccag                                         389

        <210> 418
        <211> 343
        <212> DNA
        <213> Homo sapien

        <400> 418
gtgggaggga gccaggttgg gatggaggga gtttacagga agcagacagg gccaacgtcg        60
aagccgaatt cctcgtctgg ggcacccacg tccaaggggg ccacatcgat gatgggcagg       120
cgggaggtct tggtggtttt gtattcaatc actgtcttgc cccaggctcc ggtgtgactc       180
gtgcagccat cgacagtgac gctgtaggtg aagcggctgt tgccctcggc gcggatctcg       240
atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtctg ctggtccatg       300
taggccacgc tgtttttgca gtggtaggtg atgttctggg agg                         343

        <210> 419
        <211> 255
        <212> DNA
        <213> Homo sapien

        <400> 419
cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaagggagtg        60
cctttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc       120
tcagtgaaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa       180
caaatgattt cgtaggatag cacagtgaca tggtgcactg tgaacctgag gccactgtgt       240
caaactgtgc actgg                                                        255

        <210> 420
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<211> 261
<212> DNA
<213> Homo sapien

<400> 420
cttctgatga taacccaccc ctagctacca ctctgtattc atcaggggag gggtataaac 60
cccacatgca agaagaaccc ttgcccccag tgtcaaatgg gatggggatg ctagagttat 120
agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataacccct 180
gttctccagc tcccaaatgt gctcactttc ccagcttctt catccgttca tcaatgctgg 240
caaagttccc ctcaactgtg g 261

<210> 421
<211> 179
<212> DNA
<213> Homo sapien

<400> 421
ccttcctgtt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa 60
tacctttctt cagatctgac tgctccaaaa tgattctgca tcctgatttg agacatcaat 120
tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag 179

<210> 422
<211> 424
<212> DNA
<213> Homo sapien

<400> 422
cgaggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg 60
ctcccatggg gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga. 120
aggtgcaaac ggaggttctt cagaagaggc agcaggagaa agcctatatc atgaatgcta 180
ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgaggga gatcagaaac 240
ctctggcacc gcacaagaag gcaggagcca aaggccagca gatgaggaag gggcccagtg 300
ctaaacgacg gtataaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt 360
ggaacactcc ggagagtctt gatgatgtat ctagcttccg ggccaagaga gctcatggca 420
gagg 424

<210> 423
<211> 256
<212> DNA
<213> Homo sapien

<400> 423
ctgtggccta gggctacctc aagactcacc tcatccttac cgcacattta agggcccatt 60
gcttttggga gactggaaaa gggaaggtga ctgaaggctg tcaggattct tcaaggagaa 120
tgaatactgg gaatcaagac aagactatac cttatccata ggcgcaggtg cacaggggga 180
ggccataaag atcaaacatg catggatggg tcctcacgca gacacaccca cagaaggaca 240
ctagcctgtg cacgcg 256

<210> 424
<211> 330
<212> DNA
<213> Homo sapien

<400> 424
ccagccgcat gggagtggag gcagtcatcg ccttgctaga ggccatcccg gacaccccag 60

```
cttgcgtcgt gtcactgaac ggggaccacg ccgtgcgcct gccgctgatg gagtgcgtgc      120
agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac      180
tccgagggag gagctttgcg ggcaacctga acacctacaa gcgacttgcc atcaagctgc      240
cggatgatcc gatcccaaag accaattgca acgtagctgt catcaacgtg ggggcacccg      300
cggctgggat gaacgcggcc gtacgctcag                                       330

        <210> 425
        <211> 333
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(333)
        <223> n = A,T,C or G

        <400> 425
ctgctccatg gnctcaaagt cagcaccacc cacacccaca atgatcactg acatgggcag       60
gttcgaggca cgcaccacag cctcacgtgt ggcttccaca tccgtcacag caccatcagt      120
cagnggaaac agnatgaagt attgnggagc antcccctga tgtgcagcct gggctgcaaa      180
cctggacctg cccgggcggc cgctcgaaag ggcgaattcc agcacactgg cggccgttac      240
tagnggatnc aganctcggt acnaagcttg gcagtaatca tggtcatagc tgtttcctgt      300
gagcggntgg gatgaacgcg gccgtacgct cat                                   333

        <210> 426
        <211> 411
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(411)
        <223> n = A,T,C or G

        <400> 426
gggtgttcat catgaggatt gcttctgcca tggagctgat ggacgtgggc aggttgctga       60
gaaggtgggg tggaagtgag tgccgggggt gggtgagtgc cctggtcttg ttcatagggg      120
agcctttccc tagcagtgga acgctgtggt cattttctct agcatattcc cttgggaagt      180
ctagatttgc tattaatctg gctgagaatc taagttctgt gccttagaga cagtttgcac      240
tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa      300
acagaaatca gttcaaaggg ggatggtgta aaagatgagg cagtanaaat gcctttggat      360
ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t               411

        <210> 427
        <211> 450
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(450)
        <223> n = A,T,C or G

        <400> 427
acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg       60
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```
gcccctacac tctctactta atcattggag atgccacttt gaagaaccca atcctctgga     120
atgtggctga tgtggncatc aagttccctg aggaagaagc tccctcgact gtcttgtccc     180
ggaatctttt cactccaaaa caggaaattc agcacctgtt ccgcgagcct gagaagaggc     240
cccccaccgt ggtgtccaat acattcactg ccctgatcct ctcgccgttg cttctgctct     300
tcgctctgtg gatccggatt ggtgccaatg tctccaactt cacttttgct cctagcacga     360
ttatatttca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc     420
tcaacatgtt ccagaacttg aagtacctgg                                      450

      <210> 428
      <211> 377
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(377)
      <223> n = A,T,C or G

      <400> 428
caggcctatc gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatggtg      60
acttcttggg agtgggggac caccaggttg cctaaggagg ggtgaacctg cctacgttgg     120
aaatagggct ggncaaacct cctgtgctca tcagtagtag aattgcacct gtgaatagcc     180
ncccgcctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa     240
acactngtag gaaaaaaagg gtgnttggtc taaataaatn tggattgggn ataaatgacn     300
cannactatc atgaatttga aagnttttct aatttcttga aagtctgaaa aaagttaaan     360
cncaatttta tccnaaa                                                    377

      <210> 429
      <211> 206
      <212> DNA
      <213> Homo sapien

      <400> 429
gttgcctctc caaagaaggt tggcttcaag gccgtgtcca gggacccacg agcagaggca      60
ctggggggca agggatctcc aagggggcaa gggatcccta aagggggtag ctcacaggtg     120
agggggttta gggcccctct agggagcgcc tgaggccata cattcaagag tgtccctggt     180
gaggcccagg gaagagccag gactgg                                          206

      <210> 430
      <211> 473
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(473)
      <223> n = A,T,C or G

      <400> 430
ccttatttnt cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg      60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta     120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg     180
atatggactc tagaataggg ttgcgctgtt atccctaggg taacttgttc cgttggtcaa     240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg     300
ctcggaggtt gggttctgct ccgaggtcnc cccanccgaa atttttaatg caggtttggt     360
```

agntnaggac ctgtgggttt gttaggtact gggtgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccncc tcttcacggg caggtcaatt tca 473

<210> 431
<211> 215
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(215)
<223> n = A,T,C or G

<400> 431
cctgtatnaa gctannaaaa gactaccagc ccgggatcac cttcatcgtg gtgcagaaga 60
ggcaccacac ccggctcttc tgcactgaca agaacgagcg ggttgggaaa agtggaaaca 120
ttccagcagg cacgactgtg gacacgaaaa tcacccaccc caccgagttc gacttctacc 180
tgtgtagtca cgctggcatc caggggacaa gcagg 215

<210> 432
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 432
ccagcactgc cacaaacttt ttcagggcca ccaggcgctg cccttccagg accgggaacc 60
tgcccacttc tatccgcagg atgtagtgca gtgcagattc caggtcagcc atgtagatcc 120
tggagcgatc tgccaatttc caaacagtgg gagctatctt gttagcagtg gttggtgcaa 180
ctgtggtctg ggcagcctcc ctggtgagcc cagagagtct ctgcagataa gcggtataga 240
aggacctgga ttccatgagc acggggactc gggagacgga gccattccgg aacagcaggt 300
agcaagacgg gaagtcggtg acaccaaact ttcccaccac attggcctct gtgttcagca 360
ccctgcgcac cgccacncct ttgtgctggg a 391

<210> 433
<211> 420
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 433
ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggctgcg 60
tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctcccgcctt gacggggctg 120
ctatctgtct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
agtgtggcct tgttggcttg aagctcctca gaggaggcgg ggaacagagt gaccgagggg 240
gcagccttgg gctgacgtag gacggttagt ttggnccctc cgccgaatgc cgcanttcta 300
ctgtcccaca cctgacagta atagtcancc tcatcttcgg ctcgggtctc gctgatggtc 360

agggtggccc gtgntccccg agttggagcc agggaatcnc tcagggatcc canagggccn 420

<210> 434
<211> 239
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(239)
<223> n = A,T,C or G

<400> 434
ccaaccanga gagaagggat cgcctggtgc ccagggccca ccaggagctc caggcccact 60
taggattgct gggatcactg gagcacgggg tcttgcagga ccacccaggc tgccaggtcc 120
taggggaagc cctggccctc agggtgtcaa gggtgaaagt gggaaaccag gagctaacgg 180
tctcagtgga gaacgtggcc cccctggacc ccagggtctt cctggtctgg ctggtncag 239

<210> 435
<211> 415
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 435
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccanaa ctcagtgagt gcaaaccgca gtgacccagt caccctggat 120
gtcctctatg ggctggccac ccccatcatt tcccccccag actcgtctta cctttcggga 180
gcaaacctca acctctcctg ccactcggcc tctaacccat ccccncanta ttcttggcgt 240
atcaatggga taccgcagca acacacacaa gttctnttta tcgccaaaat cacgccaaat 300
aataacggga cctatgcctg tttagggntc taacttggnt actggccgca anaattccat 360
agtcagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn 415

<210> 436
<211> 152
<212> DNA
<213> Homo sapien

<400> 436
ccaggattga caggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg 60
tctccgtcat ggcagtgatg aaaacctaac agggtggccc cctgtgccag ctcaggtgac 120
tggagcccga gggcctgaca ggttcccagc ag 152

<210> 437
<211> 174
<212> DNA
<213> Homo sapien

<400> 437
ccaggtactg gcacatcatg ctctggatgg gggtggtggt gtcctgtaag cagaggaaca 60
ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc 120

```
ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag             174

      <210> 438
      <211> 485
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(485)
      <223> n = A,T,C or G

      <400> 438
ccacggccct ctcggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc        60
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtacctat aaggagctcc       120
ttgacacggt caccgccccc cagaagaacc tcaagagtgc ctcccggatc gtctttgaga       180
agaagctgcg catcaaatcc agctttgtgg cacctctgga aaagtcatat gggaccaggc       240
ccagagtcct gacgggcaac cctcgcttgg acctgcaaga gatcaacaac tgggtgcagg       300
cgcagatgaa agggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc       360
tccttctcgg ngtggcgcac ttcaaggggc agngggtaac aaagtttgac tncagaaang       420
acttccctcg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg       480
gaccc                                                                   485

      <210> 439
      <211> 317
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(317)
      <223> n = A,T,C or G

      <400> 439
gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg        60
ggtcagaagg attcctatgt gggcgacgag gcccagagca agagaggcat cctcaccctg       120
aagtacccca tcgagcacgg catcgncacc aactgggacg acatggagaa aatctggcac       180
cacaccttct acaatgagct gcgtgtggct cccgaggagc accccgtgct gctgaccgag       240
gcccccctga accccaaggc caaccgcnag aagatgaccc agatcatgtt tgagaccttc       300
agcaccccag ccatgta                                                      317

      <210> 440
      <211> 338
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(338)
      <223> n = A,T,C or G

      <400> 440
ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag        60
ggccctcgaa gggcttgtgg ctgggatgat cccagggggc attgctcaaa gtgcacagga       120
ggtggcagca gggtcaggcg agttcctgtt ccagggacat caggagggag ggtagaagcc       180
```

```
tagggagtgt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc      240
agctcaatgg tttctccatc cttgggtctg tagtcagcaa taccttgcaa cagtggggtg      300
ttggggtctc ggagaagctg ccagaactcc ctttctcc                              338

       <210> 441
       <211> 505
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(505)
       <223> n = A,T,C or G

       <400> 441
ccacacagan tcaccaagcc acagacttgt cttccacaag cacgttctta tcttagccac       60
gaagtgacca agccacacgt actaaaggtt gaactcaaag atatgtacag ggtattaaac      120
aaataccaag gggaacagtt aacttcaata caaggtcgaa atcagcaaca agttctacaa      180
tccagngctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag      240
tttcgnnagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta      300
acccatgcag caaatgctac ncatggtgcn gagtccgttt agaagcattt gcggtggacg      360
atggaggggc ccgactcgtc ttactcctgc ttgctaatcc acnngngctg gaaggnggac      420
agtgaggcca cggatggagc caccnatcca caccgagtcc ttgcgctctg ggggtgcgat      480
natnttgatc ttcatggtgc tgggc                                            505

       <210> 442
       <211> 386
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(386)
       <223> n = A,T,C or G

       <400> 442
cgccaggtga tacctccgcc ggtgacccag gggctctgcg acacaaggag tctgcatgtc       60
taagtgctag acatgctcag ctttgtggat acgcggactt tgttgctgct tgcagtaacc      120
ttatgcctag caacatgcca atctttacaa gaggaaaccg taagaaaggg cccagccgga      180
gatagaggac cacgtggaga aaggggtcca ccaggccccc caggcagaga tggtgaagat      240
ggtcccacac gccctcctgg tccacctgct cctcctggcc cccctggtct cgatgggaac      300
tttgctgctc agtatgatgg aaaaggaggg nggacttggc cctggaccaa tgggcttaat      360
gggacctana ggcccacctg gtgcag                                           386

       <210> 443
       <211> 404
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(404)
       <223> n = A,T,C or G

       <400> 443
```

cctccctctc agagcttgcc ccagggactc tctggccctc agggttcaat gtattctgac 60
caaggccaag ctttcctggg gctcagggaa aatcacactt tgctacccga agctgtatcc 120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgaccctgag agggcaggac 300
[illegible] [illegible] [illegible] acagcaagnt tggcccactt tacaattcta 360
gntcagagcc ancccctaac atggngggca tttattcatt tcgg 404

<210> 444
<211> 318
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(318)
<223> n = A,T,C or G

<400> 444
catgggctat agtgcgctat gttgatctgg tgttcatgct aagttccgca tcaatatngc 60
gacttcttng gagtggggga ccaccangtt gcctaaggag gggtgaacct gcctacgttg 120
gaaatagagc tggtcaaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc 180
caccgccctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa 240
acactggtan gaaaaaaagg ctgtttggtc taaanaagtc tggatngggt ataaatgaca 300
cnaanctatc atgactnt 318

<210> 445
<211> 418
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 445
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
cttcaattgc caatttcgtg gcctctaaag ctttactttt aggaacctct gcagcngcat 120
aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcact agcctggctg gcaaatgttt cttccttcct ccctcacagg 240
ctataagagc aatgagctgg caacgcccct gagcacactg tctgctgntt aaccaatggc 300
atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc 360
aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga 418

<210> 446
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

```
        <400> 446
ctgtccaatn acaacaggac cctcactcta cccagtgtca caaggaatga tgtaggaccc       60
tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgacccagt catcctgaat      120
gtcctctatg gcccagacga ccccaccnct tccccctcat acacctatta ccgtccaggg      180
gtgaacctca gcntctcctg ncatgcagcc tctaacccac ctgcacagta tccttggctg      240
attgatggga acntccagna acacnacaca agagctcttt atctccancn tnaccganaa      300
gaacagcgtg actctatncc ttccaggggg gggggtgggg gnntgnggac cttnccgggc      360
c                                                                      361

        <210> 447
        <211> 321
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(321)
        <223> n = A,T,C or G

        <400> 447
ccagganant ggttccccaa aggggacctc acccgccccg agctctggag ccgctgacgc       60
tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaag acgtgctgca      120
ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc      180
atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac      240
caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng      300
ngtgngtttt caaatcatgt t                                                321

        <210> 448
        <211> 325
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(325)
        <223> n = A,T,C or G

        <400> 448
ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca       60
aacatagcat cacaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt      120
gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgacctttta      180
tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc      240
tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga      300
nattattatt taatcatacc ctgan                                            325

        <210> 449
        <211> 123
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(123)
        <223> n = A,T,C or G
```

<400> 449
cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta 60
ttacattann attggaagcg atggtgtgga ttacatcagt gatagggcac ggtgtggata 120
tta 123

<210> 450
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 450
ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct 60
cttttatatt gctttaaatt tttaaagaaa ttatattgca tggatgtggt tatttgtgca 120
tattttttaa caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa 180
atttagattt agctggagct tttgactaat gtaaagtaaa tgccaaacta ccgacttgat 240
nggcatgttt ttgtaangtt aattttctaa gactttttca catccaaagt gatgctttgc 300
tttgggcttt aactgtttca acctnggc 328

<210> 451
<211> 209
<212> DNA
<213> Homo sapien

<400> 451
ctgccttgtt tcaacagaca tgcaaagatc ctaggagaca gtccccatag accttcagac 60
attaaaaagg gagccgtaca gtttgtttga agcacttcgt cttacccatt tatgcagggg 120
ccccaggaaa cttacacaca gccagaatga ggttcccaaa ggacttacat taattatggc 180
tcttgcttcc tttcacaaat gagctgagg 209

<210> 452
<211> 457
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 452
ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct 60
agcaaaatca agttcttttt gaaattttat cagtaatcca gaatttagta gtccatgcct 120
tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcatgtata 180
tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat 240
ctactttgta tacattctaa ttatattatt tttctatgta ttttaaatgn atatggctgt 300
ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt 360
gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttggag ttgtgnactc 420
caaagctaag gacagtgatg aggaagatgg catgtgg 457

<210> 453

```
        <211> 277
        <212> DNA
        <213> Homo sapien

        <400> 453
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg     180
gcatacagga ctaggaagca gataaggaaa atgactacga gggcgtgatc atgaaaggtg     240
ataagctctt ctatgatagg ggaagtagcg tcttgta                              277

        <210> 454
        <211> 198
        <212> DNA
        <213> Homo sapien

        <400> 454
gttaaaagat agtaggggga tgatgctaat aatcaggctg tgggtggttg tgttgattca      60
aattatgtgt tttttggaga gtcatgtcag tggtagtaat ataattgttg ggacgattag     120
ttttagcatt ggagtaggtt taggttatgt acgtagtcta ggccatatgt gttggagatt     180
gagactagta gggctagg                                                   198

        <210> 455
        <211> 608
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(608)
        <223> n = A,T,C or G

        <400> 455
ctgagcaagc taaggaccag gggcaactag accctaataa tgngtacttt tgaaaatgat      60
acaaactacc ttggttgtaa gaagtgcagg ttgaacactt taggagaaca gtcttcaaac     120
tggcaattca aaatttccca ttatatgtga ataaaattgg aaggatgtta aatgtccatg     180
gaaagttact cttgtaagtt aggatgcctt atactgaggc tttanaatga aagtacactt     240
cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcat actagtaagg     300
taagcaaggt aaattccctt atacacaaaa attattttga tgaccttttt caataatgaa     360
tctgaaatga agtgttttaa aaagctccct aaacacaaaa cgaacataaa actgcttaat     420
aactttagag ctcatgtaat attcttgctg aaaacagtta ctgaaattac cagcgaaatg     480
atggaatatc tttaaagcag gncactcngt ataatctgga atactttcat ttgctaactt     540
ttaagaagta ttctctggac tataaatcnt gggcaaatag acttccactt tattattacc     600
ccaaatta                                                              608

        <210> 456
        <211> 467
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(467)
        <223> n = A,T,C or G
```

<400> 456
cctggacctg tgtaaacctt caaacactct tttttacatt aggtcgtgaa gttaaatttt 60
ctactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa 120
tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa 180
aaggttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa 240
[illegible] [illegible] ttaaagtgaa ttctacaaat aaagcctctt aatacatttc 300
tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg 360
actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag 420
gtgttcctct tgaggaaggc aggaattcct cttctgccac ctgttgg 467

<210> 457
<211> 183
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 457
ccaatttttn tactttaaac actgaaaaca gagggagtta ataaaatttt taacctataa 60
agtcccctgg ttgttagtca ttaacagcag attgtcagat aagactggta aaatgatggc 120
tgctaagcat ttgatgatcc aggctcagga tgatcaaact gcagcagatc atgcacgtga 180
cag 183

<210> 458
<211> 445
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 458
gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt 60
aaccaattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta 120
aagcttgaga agatgagggt gtttacgtag accagaacca atttagaaga atacttgaag 180
ctagaagggg aagttggtta aaaatcacat caaaaagcta ctaaaaggac tggtgtaatt 240
taaaaaaaac taaggcagaa ggtttttgga agagttagaa gaatttggaa ggccttaaat 300
atagtaactt agtttgaaaa atgngaagga ctttcgtaac ggaagtaact caagatcaag 360
agtaattacc ancttaatgt ttttggcntt ggactntgag ttaagattat tttttaaatc 420
ctgaggacta ncattaatgg gacag 445

<210> 459
<211> 426
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 459
cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgctgaga 60
aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120
tctttctctg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta 180
atactgttta tttgagcaat aatatattgt gctaacgttc aggcatccta ttactgagaa 240
ataaggggaa atgagtgtaa agcacaacta agagtctcgg cgacagggaa aaataccatc 300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatntgaat cctgcaatac 360
atnttggctt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcggccgg 420
gataga 426

<210> 460
<211> 348
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 460
ccaaatttta aaatgttatt tttcatatca tttataacct tgtcacaatc cccttaaaga 60
agtttggtta tatttcactg aaaatttttct tccagagtag gtttttttc gtgggttggg 120
gggtaacttt actacaatta gtaagtntgg tgcagaattt catgcaaatg aggagtgcag 180
cagngtgata atttaaacat atntaaacaa aaacaaaaaa aatgaatgca caaacttgct 240
gctgcctaga tcactgcagc ttctaggacc cggtttcttt tactgatnta aaancaaaac 300
aaaaaaanta annacnttgt gcctgaaatg aancttgttt ttttntna 348

<210> 461
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 461
ccactaagac agaacggaat ctagtagaag tgcaccaatg cttcagtccc tcctactcag 60
catggtgagc agtggtcaat ctgtgccctg tggaatgatg ggcagataat tctggcatgt 120
gtaaataata ataaataatt cacttggtgc aggcagtatg tctatgaatt aaaacctagt 180
gtgtacacag tgcctacatg tgttacagcc ccacagtagg aatctacacc aaaatattta 240
ttagaaggaa tttggtccgt actacatcac gctttccgga gggtaaaaaa taaagtccat 300
ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta 360
taacaaaagn ggatggct 378

<210> 462
<211> 197
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(197)
<223> n = A,T,C or G

<400> 462
gcgaggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt 60
[illegible] [illegible] gttacttcat gttgctcagg tttgnnacac tntcccctgn 120
aagttctcac acagatnggn agaaatcata cctanttntg gtnaatcact atggcagccg 180
tngaagaatn taagaga 197

<210> 463
<211> 279
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 463
cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact 60
tgcacatata catgttcaca gcatgtatac aatgataatc cctacggttt aaccaagtta 120
tggttccctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga 180
ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc 240
ttctgnactt tgggaatgca tnnaggnaac aatatcttg 279

<210> 464
<211> 552
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 464
gatgggttga taggtgcagc aaaccaccct ggcgcatgtt taccaatgta acaaacctgc 60
acatcctgca caggtactcc aaaactaaaa gtaaaaaaat ctaaaagaaa aaagaaaaag 120
aattaaaccc aaaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt 180
tgagctgatg ctatagtggg ttgaaaattt tggggtcctc agaaggggat gaggatatat 240
tgcatgagag agcaacatga atcatngaga gccagagtat agagagnggt gggtagactg 300
tgggagagcc ctcaatgatc ccggctgtct tgtattcgcg ttgcacttac ttgtataata 360
tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat 420
cagagggttt tctttctcgt ctanctctct tttgggtagn ttcattctga gagaaagcca 480
nacctcngcc gcnacccacg ctaaggggcg anttccagcn cactggcggc cngttactag 540
tggatccgng ct 552

<210> 465
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```
      <222> (1)...(444)
      <223> n = A,T,C or G

      <400> 465
ccactcttgg tagaaccctt gacactttca ccttgctggg ctttagcaaa gtttcctttt     60
acagttctgt ttatgagctt cagctactga taaagcactt cctgaacttc tctattatca    120
tagngaccct ctgaatcacc tgagtgactg gctcggcaat tcgctttata accattctta    180
ttcccaaagt tggagcacat aaacatttag atgtcttttc ctgtaaaata ttctagacat    240
ttacccaaac tctagttcaa catatactca acttgcactg tatatctccc tgcttttttg    300
agacagagaa gaaattcagg aggtgnccca tctccagagt ttctctgttg gaaagcagcn    360
atcaagaanc ctttaaacaa ttcgtgtnaa gctntgccnc ctgcagaaat gcntngcccc    420
acattattct tctggggnaa agna                                            444

      <210> 466
      <211> 381
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(381)
      <223> n = A,T,C or G

      <400> 466
cctactatgg gtgttaattt tttactctct ctccnaggtt ttttcctagt gtccaaagag     60
ctgttcctct ttggactaac agttaaattt acaaggggat ttagagggtt ctgtgggcaa    120
atttaaagtt gaactaagat tctatcttgg acaaccagct atcaccaggc tcggtaggtt    180
tgtcgcctct acctataaat cttcccacta ttttgctaca tagacgggtg tgctctttta    240
gctgttctta ggtagctcgt ctggcttcgg gggtcttagc tttggctctc cttgcaaagt    300
tatttctagt taattcatta tgcannaggt ataggggnta gtccttgcta tattatgctt    360
ggttataatt tttcatcttt c                                               381

      <210> 467
      <211> 95
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(95)
      <223> n = A,T,C or G

      <400> 467
cctatanatt ntggnttgta tactgggtcc tgaaaaccct cttggngctc tgtttttaag     60
gagctgaanc caangancgc caataataat acttt                                95

      <210> 468
      <211> 224
      <212> DNA
      <213> Homo sapien

      <400> 468
cagtgggtct ctgctgcctt gcctgcagca gaaggaggga gcagagatca agaggaagga     60
aaaaatcata tgtacttatt tgaaggtaaa gattattcta aagagcccag taaggaagac    120
agaaaatcat ttgaacaact ggtaaacctt cagaaaaccc ttttggagaa agccagtcaa    180
```

```
gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg                        224

       <210> 469
       <211> 416
       <212> DNA
       <213> Homo sapien

       <400> 469
ctgagttcta gttcaaaagc tttatcctta acttcgtcat gtactatgta aattctagaa        60
tagaaaaggg aaaggtaaga ttttggtaac ctccaaacat tgaagtagtt cacagaccca       120
aagtcagtac aaattagaat gtccatccat aataaaagta tctataaaat tacacagaca       180
cattctacat agtatttaac attagagaag acaaattaca cagggactga aataaaatga       240
aacatctact ctcccgacaa atgttgaata tacctaatca acccaagttc agtttatttt       300
tgcacattgc tttagagata taacttggct gggcacagtg gctcacacct gtaatcccaa       360
cactttggga gaccaaggcg gatggatcac ttgaggtcag ttcgagacta gcctgg           416

       <210> 470
       <211> 376
       <212> DNA
       <213> Homo sapien

       <400> 470
cacctttcaa ctgtatcaca aagtctgttg ctgtggttac agcctttgtt tccagtgatg        60
ttttgtccat gctttccccc aacccttaac aatggttact caaaagaatg aaataatgag       120
tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa       180
actgggctgt aattcaaggc aacagttaag tctgagaact gttaaaaaaa tctttgattt       240
tttttccttt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca       300
attacatcct ttttggttaa tgtattattt ctggaacaag tagataaaat tctacgcagt       360
aagcataata aaaatc                                                       376

       <210> 471
       <211> 357
       <212> DNA
       <213> Homo sapien

       <400> 471
ggcttcgtat aatggttctt ttgtcacccc tgatcgacga tttcgctacc cgtacaactc        60
tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tcctgtgaac agaagaacaa       120
caactccacc ggatagtgga gtactgtttg caaggttagg catttcaaca agacctagag       180
atgttgaaat tcctcagttt atgagacaga ttgcagtaag gaggccaact acggcagatg       240
aaagatcttt gcggaaaatt caagaacaag atattattaa ttttagacga actctttacc       300
gtgctggtgc tcgagttaga aatattgaag atggtggccg ctacagggat atttcag          357

       <210> 472
       <211> 557
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(557)
       <223> n = A,T,C or G

       <400> 472
cngagatgac atttacaatc tcttgaaang cagcagatgg cactctggtg cttcctatgc        60
```

agcaacatgc ttgaaatcaa ggaccaacaa ttgttgtagg aaagcaaaat atacctctaa 120
cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc 180
tcatccccaa agaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc 240
aggcactata atggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc 300
atataatgcc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgc tgagataaaa 360
ggaagttggc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta 420
aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa 480
ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata 540
ccaattggta tgtccag 557

<210> 473
<211> 264
<212> DNA
<213> Homo sapien

<400> 473
cctccatcaa cagaaaggat aaagacccct tcgggtctcc tcattaattc tgaactggaa 60
aagcccagaa aagtccggaa agccaaggaa ggaacacctc cacttacaaa agaagataag 120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ctcttcaaaa 180
aggacagatg caacccattgc taagcaactc ttaccgaggg caaaaaagcg ggctcaaaag 240
aaaattgaaa aagaagcagc tcag 264

<210> 474
<211> 165
<212> DNA
<213> Homo sapien

<400> 474
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc 60
ctttacatca tacttggaca tatcaagcat tggtgcacga tgtactggat ttccatttaa 120
acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag 165

<210> 475
<211> 417
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 475
aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaac 60
agaatatcta cagagatcat tttctgaatt ttttgtacat ccaaggataa caacataaaa 120
aaaataaaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa 180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg 240
tgttgccgct tcattaagtg gttcaaaatc cagatctata attgcgcaat attcacngta 300
tataaaagag aatggatatt aattttgaca aatagctgca actgagactt ctttttattt 360
ctctatatgn gnatataatg aatttttatt atttttaaaa ttttatttat tttttta 417

<210> 476
<211> 321
<212> DNA
<213> Homo sapien

```
      <220>
      <221> misc_feature
      <222> (1)...(321)
      <223> n = A,T,C or G

      <400> 476
catttaataa caaaaacaac ctgtacggaa aacccnaagg caaccacata gcatatgtaa        60
aatgtgcaaa tacactttaa aatgcangtt attctatagc anttgcaaga tagaatttca       120
ctgtaattag ggaatctagc tcatcctaac ttaatagnct tttgcatgtn tagacaatgc       180
aattctacaa ggnacnactc agcgttgatg ctaaagtatg aaacacatcc tcagattatt       240
catccgaaaa tattaaaata gcntcatgtt ttattattct ttaatgagtc ntgagctcac       300
ttctaaagct tcataaagca t                                                 321

      <210> 477
      <211> 546
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(546)
      <223> n = A,T,C or G

      <400> 477
gctgtggtta tattgtaaat gaagcatcta acatgtgcac aacttgcaac aaaaactcct        60
tggactttaa atctgtcttt ctcagtttcc atgtgctgat tgatctgact gatcacacag       120
gcacccttca ttcctgtagt ctcacaggaa gtgttgctga ggagactttg ggctgcacgg       180
tacatgagtt tcttgcaatg acaaatgaac agaaaacagc attaaagtgg caattcctct       240
tggaaggaag caaaatttat ttaaaattcg ttctatcaca cagagcaagg agtggattga       300
aaattagtgt actctcgtgc aagcttgcag atcctactga ggcaagcaga aacttgtctg       360
gacaaagaca tgtttaaaac ggtctatcat tttgaactct ggaaaagtat aagagtttta       420
actcccttta aaatggaata ttaatttgaa aattatgggg aaaattgcat tttgtttaca       480
tgtggtgaac atgtttctag aaattggtat ggcgggaagg gggctgggtg agtctgaagg       540
acctcn                                                                  546

      <210> 478
      <211> 100
      <212> DNA
      <213> Homo sapien

      <400> 478
aagaaaagtg gtaaaatcaa gtcttcttac aagagggagt gtataaacct tggttgtgat        60
gttgactttg attttgctgg acctgcaatc catggttcag                             100

      <210> 479
      <211> 508
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(508)
      <223> n = A,T,C or G
```

```
      <400> 479
gnottccaaa ttcttctaac tcttccaaaa gccttctgcc ttagtttttt ttaaattaca       60
ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa cttccccttc tagcttcaag      120
tattcttcta aattggtcct ggtctacgta aacaccctca tcttctcaag ctttaccttc      180
taacttctgc accaccagaa attaaattca tgggctttta aaataaattg gttaccaata      240
atttcctcat tttttcagtg ctattttatc caatttttgg ctttatattt ttctatcttc      300
tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa      360
tatcttctaa tttccctatc ttctctattc ttttcttcgc cttcccgtac ttctgcttcc      420
agntttccac ttcaaacttc tatcttctcc aaattgttca tcctaccact cccaataatc      480
tttccatttt cgtgtagcac ctggncag                                         508

      <210> 480
      <211> 81
      <212> DNA
      <213> Homo sapien

      <400> 480
ggtgcccttt tcctaacact cacaacaaaa ctaactaata ctaacatctc agacgctcag       60
gaaatagata aggaaaatga c                                                 81

      <210> 481
      <211> 306
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(306)
      <223> n = A,T,C or G

      <400> 481
tcgccttcgg ccgccgggca ggttaggggn acaagacgct acttccccta tcatagaaga       60
gcttatcacc tttcatgatc acgccctcat agtcattttc cttatctgct tcctagtcct      120
gtatgccctt ttcctaacac tcacaacaaa actaactaat actaacatct cagacgctca      180
gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtcctca tcgccctccc      240
atccctacgc atcctttaca taacagacga ggtcaacgat ccctccctta ccatcaaatc      300
aattgg                                                                 306

      <210> 482
      <211> 582
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(582)
      <223> n = A,T,C or G

      <400> 482
ggggggaacn gtcattatac attatttaga ctcattcctt cttccagtgc ccttatgatt       60
atttcctacc tttaccattg atcttaaact gngcaggcta aaaagaggaa ccagaactcc      120
cttaagcact tttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg      180
cttaagggac tgaatgaaaa ggtagtaccc tttgtggctg tatgaagaga gaaactnaat      240
ttctatccaa gagaccttaa tntagcctat tagggaatta tcttccccaa aagtacaagt      300
aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc      360
```

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tttcaagang gagaaatctg ctttcataat agnaggaatc tatgcttaaa ctnaacattt      420
aatggtgacn tcttaccaca gccttgaaaa nnattggaan tcngacntga nggnggaaac      480
tggaanaaag aatatctttc tcttctgcat cctttnatcc tcaaacttag catggattca      540
cacgctgagg aaangttngg tnacnaccng aacatttaga ta                         582

      <210> 483
      <211> 275
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(275)
      <223> n = A,T,C or G

      <400> 483
gcctcactaa aataacagct ttcagtatag ccaagttcat cagaaagacc caaatggaat       60
gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta      120
tcagtcataa cacactttcg cctacacctc tgctcattat ggaattacac ttaaaacgaa      180
tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga      240
agattgccag ngttactgat ggaaagaagc gcttg                                 275

      <210> 484
      <211> 434
      <212> DNA
      <213> Homo sapien

      <400> 484
catatttcca caggccaatt tctttctgtt tttctgctaa gctatttcag cattttagct       60
tttcctcttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag      120
atcctcacaa attaatggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa      180
agctttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag      240
accaaatctt gaataaactc ccattcacaa ttgctacaaa gggaataaaa tagctgggaa      300
tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga      360
aataagagag gataacaaca aatggaaaaa cattccatgc tcatgaatag gaagaatcaa      420
tatcgtgaaa atgg                                                        434

      <210> 485
      <211> 291
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(291)
      <223> n = A,T,C or G

      <400> 485
ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta       60
taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat      120
acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag      180
aaaggagtac ctggcatgcg tacctgctta gtttgactga atccttgatt tttaatttgg      240
cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g               291

      <210> 486
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```
        <211> 274
        <212> DNA
        <213> Homo sapien

        <400> 486
ctgtaatatt gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca      60
gcacgctcag agacagtgaa ctagcatttg aatacacaag tccaagtcta ctgtgttgct     120
aggggtgcag aacccgtttc tttgtatgag agaggtcaaa gggttggttt cctgggagaa     180
attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt     240
ctgtaactag ttgctctcat tttaatttca ctgg                                 274

        <210> 487
        <211> 184
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)..(184)
        <223> n = A,T,C or G

        <400> 487
tggcaccaag attctcagct cacggtacca gcatctgatt gtcggactac ctgctgcttt      60
ccctgatatt tatacatgat attcgnaaaa tgtaagaaag ctattattca tacagacatc     120
tagagaagga gnaaagnttt taaaaaaata aaaaaatact tatttcaagc tttagctgtg     180
ttct                                                                  184

        <210> 488
        <211> 393
        <212> DNA
        <213> Homo sapien

        <400> 488
ctgcattttt attgcgatct gcagatgaac tggaaaatct cattttacaa cagaactggg      60
acagacgacc accatattca ctgaggtcta aatttgcagt ttccactaat gacattttga     120
tttcccacca gagatacttc tggtcttact gcacagtctt ttaagagaaa tacttccatt     180
atgccacatt gtccttgatc cgtaagtgat gtgttaaggt gcttcaaagg aactctgacc     240
tctgaagtac ttgaactact ttagtatgtc cagcctattg cttttgtttt tagtgtgtca     300
ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa     360
gcttgtggta taaaacaata gttcaagatc cag                                  393

        <210> 489
        <211> 607
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <221> (1)...(607)
        <222> n = A,T,C or G

        <400> 489
gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat      60
gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catggtgtat     120
atatgccaca ttttcttaat ccagtctatc atcgatggat atttgggttg gttccaagtc     180
```

```
tttgctattg tgaatagtgt cgcaatgaac atacatgtgc atgtgtcttt atagcagcat      240
gatttataat cctttgggta tatacctagn aatgggatag ctgggtcaaa tggtatttct      300
agttctagat ccttgtggaa ttgccacact gtcttccaca atggttgaac tagtttacag      360
tcccaccaac agtgtaaaag tggtcctatt tctccacatc atctccagca cctgttggtt      420
cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg      480
atttggaatt cagtgatggc cagtgatgat gaacnttttt tcatgtggtt tttggctgca      540
taaatggcct gccttttnta cttctataaa atttttcann tcttattatt attcctgggg      600
gnttaag                                                                607

      <210> 490
      <211> 179
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(179)
      <223> n = A,T,C or G

      <400> 490
cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga       60
ataatactat cactgntcat tatagctact cccataaccc tnaacaccca ctccctctta      120
gccaatattg ngcctattgc catactagtc tttgccgcct gcgaagcanc ggtaggacc       179

      <210> 491
      <211> 399
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(399)
      <223> n = A,T,C or G

      <400> 491
cctctacctg taatcacatt actttttcta aagacagggg nggtgttttg aagataaatg       60
tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt      120
tctcttttta gcatatagcc atcttgatat ttaggnggga gactactcca atggagcaac      180
agtttcattt tacatgattg gatttagaaa tttacaaatt ttaaactcat aagaattcta      240
aataatttga aaatggaaac atttgaccca cagtctagca gcataaatac atttataaaa      300
tactttcttg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt      360
ggagggggcc ngtgaggaag gtataaaaga gaaatcttt                              399

      <210> 492
      <211> 482
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(482)
      <223> n = A,T,C or G

      <400> 492
ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tatagccgat       60
```

```
agaaattgac acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac      120
caagcataat atagcaagga ctaaccccta taccttctgc ataatgaatt aactagaaat      180
aactttgcac ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag      240
ctaaaagagc acacccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac      300
aaacctaccg agcctggtga tagctggttg tccaagatag aatcttagtt caactttaaa      360
tttgcccaca gaaccctcta aatccccttg taaatttaac tgttagtcca aagaggaaca      420
gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta      480
gg                                                                     482

        <210> 493
        <211> 207
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(207)
        <223> n = A,T,C or G

        <400> 493
cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca       60
cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac      120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt      180
ctttgccgcc tgcgaagcag cggtagg                                          207

        <210> 494
        <211> 283
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(283)
        <223> n = A,T,C or G

        <400> 494
ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt       60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct      120
atttcctgag cgtccgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg      180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg      240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac cta                        283

        <210> 495
        <211> 590
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(590)
        <223> n = A,T,C or G

        <400> 495
tatgtatata attttcttag ttactagcat agagaaatta ctgatttaaa aaaacatttc       60
aaattctagc atgttgtagg attctattgc cctttctaaa aagtacatct tgcttatccg      120
```

atttctaaca aaactattta atttgaagaa gggagaatga atttggataa aaagcaaaaa 180
tttaaaggta ctcaaattta ggcaaaccat taaagcaatc ttagtttaca gttaattggg 240
tagaatggtc aacacttttct tcaggttagt tcatggagtg gatatgcatt gatagaacaa 300
cttagagatg cttttacagt tgagaaagct cattatattt gttatcttta agaatcagct 360
tatttatttc atatgtttgt tctttaagaa gacaaagag ccctgcaaat gaatgttgat 420
[illegible] [illegible] tatttttgta gagataagat ctcactttgt tatgttgccc 480
aggctggtct caaactctca acttgaagtg atctgcccac ctcagcctcc caaagtggtg 540
ggattacagg catgagccac cgcacctgga cctgcccggg cggncgctcg 590

<210> 496
<211> 307
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 496
ggagattagt atagagaggn anacnttttt tcgngatatt tggtcacatg gataagtggc 60
gctggcttgc catgattgtg aggggtagga gccaggtagt tagtattagg agggggggng 120
ttagggggtc tgaggagaag gttggggaac agctnaatag gttgttngnt gatttggnta 180
aaaaacanta gggggatgat nctaataatt antgctgtgg gtggttgtgn tgatttcaaat 240
tatgngcttt ttcggaganc catgtcangt ggtagtaaat ataattgttg ggaccattan 300
ttcttan 307

<210> 497
<211> 216
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 497
cattttcctc ttgctttctt cagttaagtc aaanngncac gttcctcttt ccccatatat 60
tcatatattt ttgctcgtta gtgtatttct tgagctgttt tcatgttgtt tatttcctgt 120
ctgnggaatg gtgttttttt ttgttgttgn tggttttttt tttttttttt aaactnggna 180
ccncnaantt gaaaaatgn ttnttttttcc ctnaca 216

<210> 498
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 498
gaatttcctg gcacctttc tcgctagaga agattcngtg tgactgggtt gcctataagc 60

```
catatagata caaactttta tctctaatac caagtcttag agggatatat taatagatct     120
aataaattta ttcttagact tattgtttca tgggntagtg agtctttgct actggagaca     180
atacagactt gtcagttttt ttaaaaaaaa aaaatttgcc aagctancac attaaaaana     240
tntcctaagg ctntcatttt atgaggatga tcataaacnt ttntgngata aatatcacca     300
taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttananat     360
ttattttttt gccaa                                                      375

      <210> 499
      <211> 215
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(215)
      <223> n = A,T,C or G

      <400> 499
ccacnaaagc agaagcttaa agcatagtag taaagaggcn aaaaagaagg acgaaaataa      60
atcagatgac aaggatggta aagaagttga cagtagtcat gaaaaggcca gaggtaatag     120
ttcactcatg gaaagaaaat taagtagaag gttgtgcgaa aatcggagag gaagcttgtc     180
acaaaaaaaa aaaaaaaaaa aaaaaaaaat gtttt                                215

      <210> 500
      <211> 489
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(489)
      <223> n = A,T,C or G

      <400> 500
ncactacgat aagcaggtag ctgggttttg tagtgagntt gctccttaag ttacaggaac      60
tctccttata atagccactt cattttccta gtccatccct catgaaaaat gactgaccac     120
tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattggtacc     180
agccttgggg aacccctac acttgagcca caattgcttt tgaagtgcat ttacaaggnt     240
tgtctacttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga     300
tctctttcag aaacaatcct cagataacgc atagcaaaat ggagatggag acatgatttc     360
tcatgcaaca gcttctctaa ttatacctta gaaatgttct cctttttatc atcaaatctg     420
ctcaagaagg gctttttata gtagaataat atcagtggat gaaaacagct taacatttta     480
ccatgctta                                                             489

      <210> 501
      <211> 286
      <212> DNA
      <213> Homo sapien

      <400> 501
aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaagactc ttataaaagt      60
aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt ccccagggaa     120
tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct     180
gttgcaagcc tcacctggta cacagtaggc tcttccaggt ctgtcaggaa cccaggagcc     240
tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg                   286
```

```
<210> 502
<211> 168
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A,T,C or G

<400> 502
cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttc ggttctcaga       60
gtttgttata atttttattt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt      120
ttaatatttt tagttgggtg atgaggaata gtgtaaggag tatggggg                   168

<210> 503
<211> 173
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

<400> 503
cctttataat aaattaggca aaaggctcag tgcnnggcta tantggacaa catgaaactc       60
cataaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga      120
attcaagaa attccaacca cgcttatttt tcccaattct actgaaatga gag              173

<210> 504
<211> 310
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 504
tagtatttta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt       60
ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgtttattct      120
taaaggngga ccttgatgaa aatgttgaga tgggaagtgt tattaggcaa aacttgttat      180
agatttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat      240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt      300
tcccattaaa                                                             310

<210> 505
<211> 530
<212> DNA
<213> Homo sapien

<220>
```

```
        <221> misc_feature
        <222> (1)...(530)
        <223> n = A,T,C or G

        <400> 505
cctcagggaa cttacaatta tggcaaaagg ggaagaggaa gcaagcacct tcttcacaag        60
gcatcaggag agagagagaa agagagtagg ggaaactacc ccttttaaac catcatatcc       120
tgtgagaact ccctcagtat tagaagagca tgagggaaac cgcctccata atccaatcac       180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg       240
ggatacagat ttaaaccata tcagaatggt taatgatatt gttgtatttt accaactata       300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttgtt ttctatatta       360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa       420
ctctgctgtt ttggtcactg gtgcctagaa tttggggatg tacattggtt ttgattcaca       480
tgcacatttc cttctagttc acagtaacta tttctaacta tttcccnata                  530

        <210> 506
        <211> 352
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(352)
        <223> n = A,T,C or G

        <400> 506
cttgaacgct ttcttaattg gtggctgctt ttagccggta ctatgggtgn taaatttttt        60
actctctcta caaggttttt tcctagtgtc caaagagctg ttcctctttg gactaacagt       120
taaatttacc aggggattta gagggttctg tgggccaatt taaagttgaa ctaacattct       180
atcttggaca accagctatc accaggctcg gtaggtttgt cgcctctacc tataaatctt       240
cccactattt tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg       300
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt               352

        <210> 507
        <211> 370
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(370)
        <223> n = A,T,C or G

        <400> 507
cctaactaga tcttatcaga atagggggga agggngtcgg ttcatcctta ttgagtgtta        60
atgaccctgt aagatgtaat ttcttttatt tcattctgtt acctagaaaa tctatcacag       120
ccttgtagta ttgattgctc aatctataaa gagctcagtt tacagcatga ctgttagtaa       180
cagggntatt ttaatgagtg actctttaac acctcagagt ttcactaaat tccaacccat       240
cagcccagta gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatc       300
atgaaaaggt aacctccagg taaccaaaaa tagaacttcc tctgtgttcg ttttttatag       360
aaattactgg                                                              370

        <210> 508
        <211> 129
        <212> DNA
```

```
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(129)
      <223> n = A,T,C or G

      <400> 508
ctgttaaaag aacaaactta gcaatatata acagttnggt aacaggattt ttgactattc       60
actttgggag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac      120
tgtacttgc                                                              129

      <210> 509
      <211> 422
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(422)
      <223> n = A,T,C or G

      <400> 509
ntgggaagtc gtgacatcca tgggaaccca gcgctgtgat gctggtgttt gngttctccg       60
cgagaagtga ccattgttgg agcaccatcc agagctagtg accantncag tggacagtta      120
gtgggagaat caaaaatcct ttccagaatg tctgtttctc actacntgca ccgggngatt      180
acaggcacca gtgcagngat gattgtactt atttgacaca tactccccgt cntcctggnt      240
nttgttcctg anaanggtgg gtaaatattc caggaaaaan aatgcacatt gaatggatgt      300
gagagaccac attgcctctc ccactgcttt ggggagcact ttcctgtcat ttctaactta      360
ccacntgctt ggtgtactat atgtatgttg tgcctcatat gttgcaaaga actaangtga      420
gt                                                                     422

      <210> 510
      <211> 238
      <212> DNA
      <213> Homo sapien

      <400> 510
ccacctatga attggtggtc tacctactca atggatagca gcacgaggac tgctgtactg       60
cacaaaaaga agaccaaacg attacagtgg accatgggat acagaagcca gcatggcaga      120
cagaagaaaa atagtttggg aacatgtaac tatcctaagt ggaagttttg ttgtaggaat      180
tatagtaatc acaccacatt acttggcctt tcggtaatgt gaaaaaaaaa aaaaatcc        238

      <210> 511
      <211> 254
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(254)
      <223> n = A,T,C or G

      <400> 511
ccnattgatt tgatggtaag ggagggatcg ttgnggctcg tctgttatgt aaaggatgcg       60
```

```
tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc      120
tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtaagng ttaggaaaag      180
ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaggg      240
tgataagctc ttct                                                         254

      <210> 512
      <211> 269
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(269)
      <223> n = A,T,C or G

      <400> 512
cctacctgta aactacagta ctttatatat ctatgggntt aataaaaana aaatccacaa       60
atcttaaaaa ggaactttaa atgcagggct atattgaatt ggnaaactgc aacacaaact      120
ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc      180
ccactaattt aaattacttt caaccactat gagccagaat gcatgcctga accttaaact      240
gcactttaaa aagtaacatc ttggcctaa                                         269

      <210> 513
      <211> 266
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(266)
      <223> n = A,T,C or G

      <400> 513
ggaggggggt tgttaggggg tcggggaaga aggntgggga acagctaaat aggttgttgt       60
tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttgtgt      120
tgattcaaat tatgtgnttt ttggagagnc atgncantgg tagtaatata attgttgaga      180
cgattagttt tagcattgga gtaggtttag gttatgnacc gtactctagg ccatatgtgt      240
tggcanattga nactagtagg gctagg                                           266

      <210> 514
      <211> 271
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(271)
      <223> n = A,T,C or G

      <400> 514
acatgcaana aatcgaggat cttaaaaaac anaacgaanc tgccctggaa nncttactgg       60
nntangatat ttatnttgcg gctgagatac ttgaacaact tcggatcgga antagacaan      120
aangggnant tntatactgc nncagaggtt acacagntca ttgtattaga gangaacana      180
tgggtctggt gttcacacat tgggggaaan atgggcgtnn acangagagg nnganaaacn      240
angaaagcct ncctggttng cataanaaaa a                                      271
```

```
<210> 515
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 515
ccaatgaggg gcaaagtgag cgncnagaag angttttgac tgaaataaat caaacacaaa      60
aatntaagtt cacagtgaca gtttaaacaa aatccaaaca aactaacaac anaaacaccc     120
cttgntttgc ctctagtgga aggtgggana acacaanctc gtcctaaaaa ttgactagta     180
aaggggaaaa cccggtcatt tncctactct ttccangaaa tatctaatgc aagaaagaac     240
ttctnctcat tatacngaag gaatttngaa aaatgatgta tttttggaac acctaantga     300
aatcctggaa cctgggcaag ttcaccac                                        328

<210> 516
<211> 220
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(220)
<223> n = A,T,C or G

<400> 516
ncctnagttg aaggacccca tgtacataca ggccagggga gcagtactag gntaactaga      60
aggatctcat ccccatatgt gggctcattt caagtctatg gatgactacc ttcattgntg     120
tgtgcgagat ggtttcaccc cttgaaaata tgggcacttc ancataanat agcnaaatct     180
ttataatgat caatncatcc tacctccttt tacatgcatg                           220

<210> 517
<211> 296
<212> DNA
<213> Homo sapien

<400> 517
tgcgatttct tccttgttgt ttgctttggt ctgtgttcaa tccagagagc ttaaattgtc      60
atttatttgg gaagaaaacc tgtatttttg ttagtttaca atattatgaa atttcacttc     120
agggaaaact gctgggcttc ctgtggcttt gttttcttag tttctttttc cgtgccgtgt     180
atttttcaat tgattttctt tcttttactt gaaaagaaag tgttttattt tcaaatctgg     240
tccatattta cattctagtt cagagccaag ccttaaactg tacagaattt ccactg         296

<210> 518
<211> 299
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(299)
```

```
<223> n = A,T,C or G

<400> 518
gaagatagaa aaatataaag ccaaaaattg gataanatag cactgaaaaa atgaggaaat      60
tattggtaac caatttattt taaaagcccg tcaatttaat ttctggtggt gcagaagtta     120
gaaggtaaag cttgagaaga tgagggtgtt tacgtagacc agaaccaatt tagaagaata     180
cttgaagcta gaaggggaag ttggttaaaa atcacatcaa aaagctacta aaaggactgg     240
tgtaatttac aaaaaactaa ggcagaaggc ttttggaaga gttagaagaa tttggaagg      299

<210> 519
<211> 464
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 519
gctgcacatc ggaggaaaac tcggtaaagc agaatgaggt tgatatgttg aatgtatttg      60
attttgaaaa ggctgggaat tcagaaccaa atgaattaaa aaatgaaagt gaagtaacaa     120
ttcagcagga acgtcaacaa taccaaaagg ctttggatat gttattgtcg gcaccaaagg     180
atgagaacga gatattccct tcaccaactg aatttttcat gcctatttat aaatcaaagc     240
attcagaagg ggttataatt caacaggtga atgatgaaac aaatcttgaa acttcaactt     300
tggatgaaaa tcatccagct atttcataca gtttaacaga tcgggaaact tctgtgaatg     360
tcattgaagg tgatagtgac cctgaaaagg ttgagatttc aaatggatta tgtggtctta     420
acacatcacc ctcccaatct gttcagttct ccagngtcaa aggc                      464

<210> 520
<211> 221
<212> DNA
<213> Homo sapien

<400> 520
ctgatatcta cttatttaac acaagtctct aatacaatac aattttatta attttattcc      60
acatgcccca cattagatct ctagactcat tcatcctaca tacctacttc gtatcctttg     120
acctacatct ccctacttcc tcctccagtc cccacccccc acccactggt gctaacccct     180
gtttcattcc ctttttcatt ctacatatgt gagatcatgc t                         221

<210> 521
<211> 312
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

<400> 521
ctgatagctt tctcttcgcc tagattaata tctctcnnct tcccattcac agcccccacc      60
gacatcaaag ctttgctgtt ttatctgtca aaaatgtctt cacacttttc attcttaaat     120
aaaagtgctg agtaaggaca ttttcacaac aaatttttat tttacaaaac ttacaatgat     180
ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatatattt tattaggngt     240
```

```
gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg      300
aggggggaag ga                                                          312

      <210> 522
      <211> 336
      <212> DNA
      <213> Homo sapien

      <400> 522
ccttctttcc ccactcaatt cttcctgccc tgttattaat taagatatct tcagcttgta       60
gtcagaccca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaagc      120
ctatgatatc aatgaatgtg ggttaagtaa tagatttcca gctaaattgg tctaaaaaag      180
aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt      240
ctgatccagg gagatcaccc ctctaattat ttctgaactt ggttaataaa agtttataag      300
atttttatga agcagccact gtatgatatt tttaag                                336

      <210> 523
      <211> 172
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(172)
      <223> n = A,T,C or G

      <400> 523
ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn       60
gacannattc ttgctctcac atnccacngg anacgtattt ctctcctctt acnagcgaag      120
aaccatctnt ttctaaagcc cccattctat tgcccttgct tttctctggc tt              172

      <210> 524
      <211> 471
      <212> DNA
      <213> Homo sapien

      <400> 524
ccagacctcc agaaaaactt agcacagctc aatctgctgt tttgatggct acagggttta       60
tttggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt      120
tctttgtggg ggcagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac      180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac      240
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtgtt      300
tagaaggcac tgtaactggt agctagttct tgattcaata agaaaaatgc agcaaacttt      360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc      420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c               471

      <210> 525
      <211> 332
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(332)
      <223> n = A,T,C or G
```

<400> 525
ccccnctgta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn 60
gggtaaaggt tggtcttcaa gtggcctcat aagttgtctt gcatttaaat tcagggaatt 120
cattggacca ataggttaca ttttcgttcc tttttgtttt tggttcatct gttaagcagt 180
gggggcctaa ctactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgccccaaaa gggcttaaca 300
atttaggcgg atagtttact taaaaaaaaa aa 332

<210> 526
<211> 440
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 526
ccaggttacc tcccctaaca gatgtggtgt tctgangggt tggttaagtg cccgaggaaa 60
ataggcctta actgttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa 120
gaagggattg ggtaaaagaa aatgggagag aaaagggaaa aaagtttggg caagacaatt 180
gttccctact aagaagctgc agggtgaaag ctttcctttc ttctattttt gtttttaatg 240
nctgtctctc tgatcagngg aaaagtgaaa atttctagta tctagcacta acgtatgacc 300
caactttgag ggatcacaag ctagaacaag ttgaggattt aaaatcctgg ataattatat 360
acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcagggtg 420
catggcatgg gaatacatct 440

<210> 527
<211> 124
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 527
tttccatatg tctgttgggt gcataaatgn cttcttctga gaagtgtctg ttcctatcct 60
ttgccccctt tttgaggact taaatgttag acctaagacc ataaaaaccc tagaagaaaa 120
ccta 124

<210> 528
<211> 162
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 528

```
ctgcgggaga aatatgggga caagatgttg cgcangcaga aaggtgaccc acaagtctat        60
gaagaacttt tcagttactc ctgccccaag ttcctgtcgc ctgtagtgcc caactatgat       120
aatgtgcacc ccaactacca caaagagccc ttcctgcagc ag                          162

       <210> 529
       <211> 409
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(409)
       <223> n = A,T,C or G

       <400> 529
cctttaaaat atagcttata aaatgtatac tatcngccag gagagctcac atttttctgc        60
agttttccag tggacctgcc tatggaatac tgtaaagaaa aatctgcaaa aatattccta       120
gcaattgaat cagtgctttt aaataaaaga agtggagagg ggcttggtta aattattctg       180
acaagttttc ttgctagtgg ttgccaaaat taaggatatt tgaagtgtcc tatcacccaa       240
atttggcttt aagaaaaagc tatattctgn gtctataggg tgaagcccac actatctgtg       300
ctgcattctc aatgatacaa tacctatctg gaaactttcc tgttttgcca atgggtgcac       360
aaatctaaaa cattttatcc caaaaggtac ttgaatttaa atttctttt                   409

       <210> 530
       <211> 325
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(325)
       <223> n = A,T,C or G

       <400> 530
ccgccagtgt gatggatatc tgcagaattc gccctttcna gatttgngcc cgggcaggtc        60
catggctagg attatagata gttgggtggt tggggnaaat gagtgaggca ggagtccgag       120
gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc       180
tttagtgttg tgtatggcta tcatttgttt tgaggttagt ttgattagtc attgttgggt       240
ggtaattagt cggatgttga tganatattt ggaggtgggg atcaatagag ggggaaatag       300
aatgatcagt actgcggcgg gtagg                                             325

       <210> 531
       <211> 173
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(173)
       <223> n = A,T,C or G

       <400> 531
ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt        60
agggatggga gggcgatgag gactgggatg atggcgggca gggtagttca gacggtttct       120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag              173
```

```
<210> 532
<211> 395
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 532
caggtcctac tatgggtgtt aaatttttta ctctctctac ngggtttttt cctagtgtcc      60
aaagagctgt ccctctttgg actaacagtt aaatttacaa ggggatttcg agggttctgt     120
gggcaaattt aaagttgaac taagatttca tcttggacaa ccagctatca ccaggctcgg     180
taggtttgtc gcctctaccc ataaatcttc ccactatttt gctacataga cgggtgtgct     240
cttttagctg ttcttaggta gctcgtctgg tttcgggggt cttagctttg gctctccttg     300
caaagttatt tctagttaat tcattatgca naaggtatag gggntagtcc ttgctatatt     360
atgcttgcnt ataatttttc atctttccct tgcag                                395

<210> 533
<211> 290
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 533
ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcactgattg      60
aacataagct tccagggctc ccctgaaaac caaaatgaaa acaatgtcaa aatattagat     120
aaatcacata aaacagttaa ggggatacca atatataaaa attattaggt aagctcattt     180
ctggaactgt taatgctcgg tttcacaatc caagnngacc aacagccttc actcagntac     240
tggnagtgnt actatggtta ctacngntac tacctttagt gtnaaaaact                290

<210> 534
<211> 334
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 534
ccgccagtgt gatggatatc tgcagaattc gcccttagcg agnnagccgg gcaggtccat      60
ggctaggttt atagatagtt gggtggttgg tggggnatga gtgaggcagg agtccgagga     120
ggttantttg tggcaataaa aatgattaag gatactagta taagagatca ggttcgtcct     180
ttagtgttgc gtatggctat catttgtttt gagggtagnt tgattagnca ttgttgggng     240
gtaattantc ggctgttgat ganatatttg gaggtgggga tcaatanagg gggaaatana     300
atgatcagtn ctgcggcngg tnngacctcn gccc                                 334
```

<210> 535
<211> 557
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 535
nccataagct tcagtgcgca aaaggtcaag gccagtgtta atttgttatt tcttaaataa 60
ctttcccttt catttttaaa ttataatttt aacttctaac atgttttatg gttacaattg 120
tacttttttc ctttagcgac attcaaatgc atcacaatca ctttgtgaaa ttgttcgcct 180
gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcctgccac 240
tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat 300
gtgttaccat tgtgagtggt tggtaagtgt tccttatgtg ggaatcatgt gccttgaaaa 360
taaccttggc tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtttt 420
ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg 480
gtaaaaatgg gaaattctgt agaagccctt ccctaaaaat aggggaagtc catttnanaa 540
aattaactgg taggtca 557

<210> 536
<211> 372
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 536
gttccaacct tcatttctga aactgttcta gagcacngtg tctttctcgt agttcataac 60
ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta 120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga 180
ctcatatcta gagtctttag atgaaactta ctgagttgaa taacttaata tatttctgtt 240
ttcattccca aggaaggcca tgtctggagg tagaccttga atttaataaa ttttaggcac 300
tataccattt cagtggagaa aattgttggg aaatttgggg ggatggatat atnaggggga 360
ggaagtcact gg 372

<210> 537
<211> 284
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 537
ccttctgatg caaacagaaa ggaaatgttg tttggangcc ttgctagacc tggacatcct 60
atgggaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat 120
attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg 180

```
actttagtgg ttcaatccaa agaaacactg gatactttgg aaaagtgggt gactgaaatc     240
ttctctcaga taccaaacaa tgggttaccc agaccaaact tggg                      284

      <210> 538
      <211> 293
      <212> DNA
      <213> Homo sapien

      <400> 538
gtacatagta ggtgtatata tttatgggct atataagatg ttttgataca ggcatgtaat      60
gtgaaacaag cacatcaaca agaatggggt atccatcccc taaaacattt gtcctttggg     120
ctacatgtca tttcctaatg taaagaaaat ggacagacag aaccaacatt gatttgactg     180
ggtgaaaaac tccatttgag ttgggagcag gggttgtgtt cctggatttg ggttgttagg     240
acagtgtaaa aaggcttcac aggggaacat tcttttctga taaaggaaag cag            293

      <210> 539
      <211> 468
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(468)
      <223> n = A,T,C or G

      <400> 539
tttcnataaa ctttattttt agagcagttt taagcnggta gcaaaattga ttagaaggna      60
cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag     120
cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa     180
agtccacagt ttatattatt ccttctggag aattttcaaa tacagaaatt cctctaccag     240
gaataaacta ncaatttcct ctcggctttc tataaattta attattattt cagaaattag     300
cctatcttta cagggaaaaa tgttataaac catgaaaaga ctatcaaata cacaaggaag     360
tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttcttgttg     420
gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc                  468

      <210> 540
      <211> 397
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(397)
      <223> n = A,T,C or G

      <400> 540
ctgttttatt aattccccca tttgcagcac acttntctct tccaacattc atcagtcaga      60
tcagagtcca cggtcttttc aaaatttaga taaactggct tacattttgt aatgatgtcc     120
ccagacaaca ccccactcca acccattctg tttgttacta ttagtttaca acatgcatgt     180
gcctttactt tcattttcat agtatttaaa aatggaaggg cactcccaaa tttactttaa     240
cccctttaat aatctctctc ctcctgctct ctctggtcct ccagacaact gttgatttac     300
tttcctttat gatggattag tttgcatttt ctagaatttt atatgactga catataaagn     360
ttttatgttt ctcccctttg ggtttcttca tgtggca                              397

      <210> 541
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<211> 248
<212> DNA
<213> Homo sapien

<400> 541
[illegible] 60
taaaatgtgc atagtggggg ttttatttta agtttgttgg ttaggtagtt gaggtctagg 120
gctgttagaa gtcctaggaa agtgacagcg agggctgtga gttttaggtg gaggggggatt 180
gttgtttgga agggggatgc gggggaaatg ttgttagcaa tgagaaatcc tgcgaatagg 240
cttccggc 248

<210> 542
<211> 366
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 542
aatcgggcct ctagatgcat gctcgagcgg ccgccagtgt gatggatatc tgcagaattc 60
gcccttgagc gatancgcgg gcaggtccaa ttgatttgat ggtaagggag ggatcgttga 120
ccncgtctgt tatgtaaagg atgcgtaggg atgggagggc gatgaggact aggatgatgg 180
cgggcaggat agttcagacg gtttctattt cctgagcgtc tgagatgtta gtattagtta 240
gttttgttgt gagtgttagg aaaagggcat acaggactag gaagcagata aggaaaatga 300
ctatgagggc gtaatcatga aaggtgataa gctcttctat gataggggaa gtagcgtctt 360
gtanac 366

<210> 543
<211> 460
<212> DNA
<213> Homo sapien

<400> 543
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaagc 60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg ggcaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atccagaagg tataggggtt agtcctttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatcgccta tactttattt gggtaaatgg tttggctaag 460

<210> 544
<211> 116
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(116)
<223> n = A,T,C or G

```
      <400> 544
ccgccagtgt gatggatatc tgcagaattc gccctttgga gngctngcgc ccgggcaggt      60
ctgtttcagc agctcctcct tcttcttccc gcgangatct cgagccttga tcttgg         116

      <210> 545
      <211> 380
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(380)
      <223> n = A,T,C or G

      <400> 545
cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgtattgc tgcagatatg      60
gattcttcag aatgctccat gacaaatgta ctgacgggaa gncnatctaa aggaggcatt     120
gcnatgacag aaaggtctcg agctccagat aaagagaaat acagagttct tggaattgga     180
gttgcagaaa cagtaagaca atcgattgcg gggaagcgtt cttttagaga atctttggcc     240
ttcactccaa acggttgttc ttcatcaata ataagtagct cgtgccgaat tcctccagcc     300
cgggggatcc actagttcta gagcggccgc caccgcggag gagctccagc ttttgttccc     360
tttagtgagg gttaatttcg                                                 380

      <210> 546
      <211> 418
      <212> DNA
      <213> Homo sapien

      <400> 546
ccagggcaat tgggcaggag aaggaaataa agggtattca attaggaaaa gaggaagtca      60
aattgtccct gtttgcggat gacatgattg tatatctaga aaaccccatt gtctcagccc     120
aaaatctcct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac     180
aaaaatcaca agcattctta tacaccaata acagaccaac agagagccaa attatgagtg     240
aactcccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaagggat     300
gtgaaggacc tcttcaagga gaactacaaa ccactgctca aggaaataaa agaggataca     360
aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg       418

      <210> 547
      <211> 172
      <212> DNA
      <213> Homo sapien

      <400> 547
cctgaggttg ggagaaattt tgtccatttc tttagaacca aaattggcaa ccagagagta      60
tttggatgtt acacaaaata tctcgtttcc ctttctagcc taaattgggt tgtttatagc     120
acccgtctct ccatttgaga aaaatggtta ggatgctggt gcagggatga gg             172

      <210> 548
      <211> 367
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(367)
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```
        <223> n = A,T,C or G

        <400> 548
ggtctgactt aagagaaaca atggaaggca agaggcagta gaataatata ttcaaaagat        60
gcaaaggaaa aaaacctctc agccacgaat tccttatcca gcaattattt ttcaaaaatg       120
[illegible] [illegible] [illegible] agaaacatta actgaagttg ttgctggcag       180
acctaccatc taaaaataaa aaactctaaa aaaattccta tggctaaaag caagttacag       240
aagacagtca cttgaatcca cattttaaaa aaagcactga tatacgtaat attgacatta       300
taaaagacag taaaaatgca tttcttcttt ataataaatn gcttattaaa taacatgtgt       360
ataatgg                                                                 367

        <210> 549
        <211> 418
        <212> DNA
        <213> Homo sapien

        <400> 549
ccaaatcaga acctagaatg agcattctat aaactcacct ttgctttgat ccttgaagat        60
cacaagtttt gatactgttg aaatctctac tctttcaaca ctttaattaa atggcattta       120
gaatttcata tacttctgtt gttgtttcca caatcttaaa ctggatttag aaatacttat       180
aatgtaaatg caagagcttt aacttagtaa ccgtatttcc tatttttgt tgtttttctt        240
ttgccagaat ttctgtttgt ctacaataaa gtccagcgaa atacagtatt tggttaggtt       300
acttgttaac ataaaatttt atcatttgta gagtttttac ttaaccttcc tattctctag       360
tctctataat ctttcaatga agataaccag ttacgaatat ctcctatacc atattagg         418

        <210> 550
        <211> 234
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(234)
        <223> n = A,T,C or G

        <400> 550
cctacccgcc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaatc        60
tctcatcaac aaccgactaa ttaccaccca acactcacaa caaaactaac taatactaac       120
atctcagacg ctcaggaaat agaaacggtc tgaactatcc tgcccgccat catcctagtc       180
ctcatcgccc tcccatccct acgcatcctt tacataacag acgaggtcaa cgat             234

        <210> 551
        <211> 542
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(542)
        <223> n = A,T,C or G

        <400> 551
cacccctacc ccnntcctca taaaagttnc tctccctgga tcctctcttt ccctcatgag        60
tgcccggttg cccaagtcaa aaacctggga gtgatataaa ctccccacac atccagtcag       120
tcactcatca actctattga ttcngtctgc taaatatatn tcaattgtat taacttaaac       180
```

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atatgcatan ggcactttct tcttcactgc atttttgtgg gctgcactta cctttcaggt      240
aacgacaacc ctggcccctc ttgcccttct agtcagaagt gccaaaatga tgagagctag      300
ccatgacaaa cccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac      360
agagggaggg agagaggaat agacaggaag tcaaactgtc tctgtttaca gatgacatgt      420
ttctatatct ataaagcccc atagtcttgg ccccaaagct tcttctgctg ataaacttta      480
gcaaagtctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt      540
ca                                                                     542

      <210> 552
      <211> 411
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(411)
      <223> n = A,T,C or G

      <400> 552
cctggctgac aaggaggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg       60
gggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga      120
atgaaggcca ttgtggctag aacagagtgg acaggaagga atggtaccag gcaaagctga      180
agaagttggc aggattgagc tctcataant catggcaaag agttcccatt tcattgtttg      240
acggaaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga      300
agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag      360
agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g               411

      <210> 553
      <211> 631
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(631)
      <223> n = A,T,C or G

      <400> 553
ccgggattag aactaaaaca agtgagatca cccctctaat tatttctgaa cttggttaat       60
aaaagtttat aagattttta tgaagcagcc actgtatgat attttaagca aatatgttat      120
ttaaaatatt gatccttccc ttggaccacc ttcatgttag ttgggtatta taaataagag      180
atacaaccat gaatatatta tgtttataca aaatcaatct gaacacaatt cataaagatt      240
tctcttttat accttcctca ctggccccct ccacctgccc atagtcacca aattctgttt      300
taaatcaatg acctaagatc aacaatgaag tattttataa atgtatttat gctgctagac      360
tgtgggtcaa atgtttccat tttcaaatta tttanaattc ttatgagttt aaaatttgta      420
aatttctaaa tccaatcatg taaaatgaaa ctgttgctcc attggagtag tctcccacct      480
aaatatcaag atggctatat gctaaaaaga gaaaatatgg tcaagtctaa aatggctaat      540
tgtcctatga tgctattatc atagactaac gacntttatc ttcaaaacac ccaattgtct      600
ttagaaaaat taatgtgatt acaggtagag g                                     631

      <210> 554
      <211> 558
      <212> DNA
      <213> Homo sapien
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```
<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 554
ccaggntagt ctccaactcc tgaccttagc tgatccaccc acctcggcct cccaaagtgc      60
tgggattaca ggcatgagcc actgcgcccg gccaaacttg atatgcattt ttaaataagt     120
taatacatta ttcatggttt agtctcatta tatattctat ggtccacttt gaaatttcat     180
ctaacccaaa tcatcttcat cctgcaattt gaggtttgga cacaatgggg attgatcagt     240
aatttcttca tatgcccttt ctcaaggaaa tagtttccta tgaaaaaaaa gtcctatgtt     300
ttcatgtaag ttctcttttt ggagaagaaa aggagacatt cttacttagc actctcagtt     360
ttacaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggcaca caaccaatag     420
tctgtcaata acccggaata acatttcttt aaggccccag taactttcac atgtttgggt     480
tccaatcctc acctagaatc ttgttaagaa aagtaaacca ttcactcctc tagaaactct     540
aaggttgctt cttagggg                                                   558

<210> 555
<211> 212
<212> DNA
<213> Homo sapien

<400> 555
ccaggtattt gcataatggc ttttcttctg ttgcctttgt tcctttgtgg ccccagctaa      60
ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaaccct gtgtactaac     120
atggaaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcggtggtg     180
taactttaag aatatccgag aagccaccaa gg                                   212

<210> 556
<211> 219
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(219)
<223> n = A,T,C or G

<400> 556
ccatgtgtct atctggagag aagggggaac agcaagtgca aaggccctga gatggaacat      60
atctggagga ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag     120
agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt     180
gtatgtcctt gtaaggcttt tttttttttt tttnancct                            219

<210> 557
<211> 482
<212> DNA
<213> Homo sapien

<400> 557
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgcctc tacctataaa tcttccccct attttgctac atagacgggt gtgctctttt     240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag      300
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ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct      360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt      420
ccatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg      480
ag                                                                     482

      <210> 558
      <211> 679
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(679)
      <223> n = A,T,C or G

      <400> 558
ctgtnaaaat tctgaaccta tccccaaacg aaaaaccgtg aaatacaagt tttaggaggt       60
ggagcaaaga aaagccaagt tatttaaaac caataaacac aagagacaat tctgctggag      120
aatttacttt ctccaaaacc tcaaatggac tttaaagcag aagacccact tttatgcgaa      180
agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaatga      240
taaaaagaaa ataacttttc caggaatcct ttggagaggc tgataacccg atattaaatt      300
atcaattttg ccaaagtgga cttttaaaaa atgtgttact tttaaaaact aacttgaaag      360
aatttatgag gcaatctatc tgagtatgtt tattgttgct ccattggctt tcaggatttt      420
ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta      480
ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa      540
atatcccagg attttggtta ttcatgcctt tcttttgtga ctttctttca aattagccaa      600
ttaaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc      660
tctcctgacc aaacagttt                                                   679

      <210> 559
      <211> 488
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(488)
      <223> n = A,T,C or G

      <400> 559
ccccactgta ctccagcctg ggtgacccca tctcaaagaa gaaaagttac cagatgtcat       60
gggtaaaggt tggccttcaa atggcctcat aagttgtctt gcatttaaat tcagggaatt      120
cattggacca ataggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt      180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg      240
ttcaaactgg ttgttgatgg gtaacaaggg ctgtttttgc tgccccaaaa gggcttaaca      300
atttaggcgg atagtttact taaaaaaaaa aatcctttgg agacatactg aaaatgcaaa      360
ctagtttcta aattatcaat tccctacatg aanaagcagt ttgccanagt ttagtctcan      420
aaaatgactg gttggctcta tttaaatcan aaccccattt ctacgcacct gcccgcccgg      480
ccaagggc                                                               488

      <210> 560
      <211> 602
      <212> DNA
      <213> Homo sapien
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```
     <220>
     <221> misc_feature
     <222> (1)...(602)
     <223> n = A,T,C or G

     <400> 560
cctanttaag aattccttgc cttagtggtg aacaaggact aaacacagac aatgggtgaa      60
acacagacgc taattcacat aacagagagt aggcaacctt aagaatgaat tgatgcagac     120
tcctatagaa ttcctctgtt atgactgggt tcttattttc tcctcattgt atgtagttga     180
aatttcatca ttatgaatag ttccttggat ctttttttaa agttgtgaat gcgagtgttt     240
ggctttgtca tacaactttt tagtatccag aagataacca gtgctctacc aataaagatc     300
ttttgataca aagggtttta acttctgcca gttcttactc atttttttca ggttttttat     360
acatttctta aacaacacat acattatgta aaatataaga attaatgtac atttccaagg     420
ccagattcag tgacaaaatg cactacccga atctagtaac acatttactc cttgctgcat     480
ataagtggtg tgtaagaaat acagggtata ttgttttgtg atccatgcag taaatgttca     540
caaatatcag gcaaacaact agacgntctt cagctactaa aattaactgt cccagtcaca     600
aa                                                                    602

     <210> 561
     <211> 683
     <212> DNA
     <213> Homo sapien

     <400> 561
gtctattttt aaaaagaaag aaaaaaacca cttttttata gtccctagct ttgccatctg      60
cccgccttaa gtggaaggaa agttaatcac ttaactatgt tttataaaaa gaaaaaaggg     120
cctggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc     180
ttttttttaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct     240
gggcttgatt tttttaaaaa aaacagaatg aattgatgtc ttattttata aatgttctat     300
atttattagg agaaaacttt atattgcctt ttttatcaat catctaacag gcttctagct     360
ttccaacaga gctgcttgcc aaacaatttt ttttgtttat taaacagtgc tgaaacaaac     420
aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aaccaagata     480
ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtca tatctttcag     540
aatcagtgaa ccgactaccc tttttttggt attcactcta catctgccaa cctagttcac     600
cttggttttg tgtctgctgt agaagggaac cataacttgg ttaaaccgta gggattatca     660
ttgtatacat gctgtgaaca tgt                                             683

     <210> 562
     <211> 420
     <212> DNA
     <213> Homo sapien

     <400> 562
gcactttttt tccagtaagg attcatctct tgctctccta tatggtcatt atattttata      60
ttttacatat ttataaacat gacatatgta tttatgttcc ccaaagggct ttgaatagaa     120
tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa     180
ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcatgattt     240
agacagtcta ttaaatgttt aagcaaggca ctagactaag tttattaaga caaatttggg     300
aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctggtt gaatggtgtt     360
atatagtgga ttcagattga tgtggcagtg gtggttacac taggggcact aaggttatcc     420

     <210> 563
     <211> 482
     <212> DNA
     <213> Homo sapien
```

```
      <400> 563
ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tataggcgat      60
agaaattgaa acctggccca atagatatag taccgcaagg gaaagatgaa aaattataac     120
caagcataat atagcaagga ctaaccccta taccttctgc ataatgaatt aactagaaat     180
aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag     240
ctaaaagagc acacccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac     300
aaacctaccg ggcctggtga tagctggttg tccaagatag aatcttagtt caactttaac     360
tttgcccaca gaaccctcta aatccccttg taaatttaac tgttagtcca aagaggaaca     420
gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta     480
gg                                                                    482

      <210> 564
      <211> 302
      <212> DNA
      <213> Homo sapien

      <400> 564
ctggaagtga aggtactaat atacaaatgg ctcttgtttc tgaatatgtg atataatttg      60
tgaatctttg gaaactgaat tttttctatg gagtgcaaat atagaagggt tattttacaa     120
tgtttgttgt gaaaagaatt cactttgtaa acaactatta aggctggaag tttagtgaag     180
gtgcatagct ttgaaagcta cacaggtgaa aaatcaaact tattgtttgc aattttgctg     240
ttacatgtta agttactttg acagcaattt tctaatgata atgtgattta tgatttcaaa     300
gg                                                                    302

      <210> 565
      <211> 554
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(554)
      <223> n = A,T,C or G

      <400> 565
ccanngtgac atcatggcaa tacagccaga atttctgnat ttatttagaa gcctcaagga      60
gaaggatcct ggagcccctg aatgagagtt tcttctccat gcctctcccc agtcaaaata     120
catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaatggttc     180
cttatatctc tgttcacaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct     240
gctgaaagca aataaaccat ctgaaaggtc ttctggttac ttacacagat ttcctagaga     300
atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca     360
aagaactctt atacagaaat acattttcct attataaagc aggactacct tccctaattt     420
ctgatagacc taggacaatt tgaatgggca ttgaaattct tttggttgaa ttacgcaaac     480
aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga     540
tctcctagtn natt                                                       554

      <210> 566
      <211> 631
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(631)
```

```
      <223> n = A,T,C or G

      <400> 566
ncgaagctgt gaanncattc acacggaatc tggangggtat tactgtaact tcttataata       60
cataatataa aagttttgga aagatataga cacaattaac ccctaaacaa cacactatct      120
[illegible]                                                             180
tttcacacac ctaaagatag catttagcag caagttagtc agacaaaaca aacataaata      240
tctttcacatt tcctatgttt gtttttaact ttacttcata aagccactga taattgaggt     300
ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa      360
ataaaaagca aaacgcaatc caactattta tatgagtccc tcttctccaa cagctttaga      420
tgttttttctg agtacttttt acacagaata ttttattaa aatcagttct aattcattta      480
tgcagattag gggaaatga ttcataataa attaacttta aaattacctt ctatctgctt       540
ctacctctat cccccatca ccacccaaatc tgttgctaca gtgaactgta gccaatgtct      600
gtttgagggg gcccaaagca tctggtaatc t                                     631

      <210> 567
      <211> 510
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(510)
      <223> n = A,T,C or G

      <400> 567
cctatnatag ctttctagc tatcatactc caatcagcna aaaatgagaa aatgttgaga        60
aatagaagat aattcctcat ttaaggncac cttctanaat ttgtgcttaa nantctgttt      120
tctttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg gatctaggna     180
atactgttta tttgagcaat aatatattgn gctaacgttc aggcatccta ttactgagaa      240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa aaatacccatc     300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat cctgcaatac      360
attttggctt tttcctcagt gatacccatgt gtgggaagtt gttctctcaa ggtgggtcgg     420
ataatttgcc ctggaaagga cggatagtga ctttcctgac atgtaaaaca tttgatcctg      480
aagacacaag tcaagaacta ggcatggtgg                                       510

      <210> 568
      <211> 180
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(180)
      <223> n = A,T,C or G

      <400> 568
ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata ctaacattag       60
ttctttctata gggtgataga ttggtccaat tgggtgtgag gagttcagtt atatgtttgg     120
gatttttttag gtagtgggtg ttgagcttga acgctttctt aattggtggc tgcttttagg     180

      <210> 569
      <211> 237
      <212> DNA
      <213> Homo sapien
```

<400> 569
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatggg gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt caggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaag 237

<210> 570
<211> 352
<212> DNA
<213> Homo sapien

<400> 570
ctgtctctcc atttagagcc ccagttggtc ctgacctctt acaaatttgg tgttttcact 60
ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg ttagagaacc 120
tattatttat acaaatgtgg ttaacacctc atcattttaa attggctgtg ctaataatgc 180
tcattgtgct cttcagggtt atgtgtgtgt gcgtgtgtgt gtttctgcctg aatctgcaac 240
ctacatttgc tctggcagta tgttgagtat atgctagaat agaatggacc taggcaactc 300
taaggtccta caactaaata cacttactta ggaaacctcc taaataagta gg 352

<210> 571
<211> 402
<212> DNA
<213> Homo sapien

<400> 571
ctgattttaa caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca 60
atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat 120
ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt 180
gttgaggtgg tctgaatgtt ctgacattaa cagttttcca tgaaaacgtt ttattgtgtt 240
tttaatttat ttatttagat ggattctcag atatttatat tttattttta tttgtttcta 300
ctttgaggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc 360
ttattgttcc aagcattgtt caataaaagc atttaagttg aa 402

<210> 572
<211> 70
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(70)
<223> n = A,T,C or G

<400> 572
tggatccgag ctcggtacca agcttggcgt aatcatggtc atagctgttt cctgtgntcg 60
ttttacaacg 70

<210> 573
<211> 423
<212> DNA
<213> Homo sapien

<400> 573
ccaatggttt cttagtgaaa gagtacacta gctctgaatg caatgccctc agaaagatat 60

```
cattcataga gacatacaaa gcacatggca acatgacatt ggaatacacg attctgagca      120
tcttcattca tgaccaacct ggctatagat ttcagatgtc ctcctggctc gaaggatatc      180
tgggatatcc atgctcactt gcattccttt ccctttaatt tcattttcta agtccttctt      240
gtattgtttc taaaagaaca gaaaataatc ttggagcttt gcttaagctt taatagcgat      300
gttgaaattt acatgtttga atctcaaagc cacccatgtg gaaagaaaac ttatgctctt      360
[illegible] [illegible] tctatttcaa actttgtatc ttgctgctgt cttacctggc      420
tgg                                                                    423

      <210> 574
      <211> 129
      <212> DNA
      <213> Homo sapien

      <400> 574
ctgttaaaag accaaactta gcaatatata acagtttgct aacaggattt ttgactattc       60
actttgcgag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac      120
tgtacttgg                                                              129

      <210> 575
      <211> 684
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(684)
      <223> n = A,T,C or G

      <400> 575
ccagatntga cttttcaaaa ctactcacat tgtgaaaaan gcaggaacaa atctagtttc       60
aagttcagca tgccgttccc tctttaattc ataaaacaca actggcagaa gtattacttg      120
aagcaaaaca aaagtaacgt gggaacttgc ttatttgcta agccacaatg tatttttcca      180
ggaatagcat aaatttgcca tctttcttgt gtctatggaa aaggggttta gaattgtttc      240
actaaaaatt aaatttctat attgtcaaac atgattgtat actcaaattt taaaatgtga      300
agggaacact tactaagcat ttcctgggta tgccactata ttaagtccta gtaatatgat      360
atagtttatt tcaatttttt ttcaactcat acttccttta aaatagcact gaccaaaaga      420
aagttaacat gagcttcatg tacaattttt aatctttttg cagaaaaata aactgagaaa      480
ggctaaaatt gttttattta agccactata ccaagacata ttcatttcac caatataaaa      540
attgagatag tttacatttt ttggtacatc tttaaaatct ggtatgtatt tttatactga      600
cagcacatct caatttggac aagctacatt tccagggctc aatagtcacc atgaatctca      660
attgtaatca aagaggttgg cctg                                             684

      <210> 576
      <211> 134
      <212> DNA
      <213> Homo sapien

      <400> 576
ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg       60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaacctttа      120
atagcggctg cacc                                                        134

      <210> 577
      <211> 133
      <212> DNA
```

```
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(133)
      <223> n = A,T,C or G

      <400> 577
ctgtctctcc attnagaagc cccantnggt cctnacctct tacaaatttg gtgttttcac       60
tttgatgttt atgaaccgat tgcattaaaa atgcaggata atgattcagg gttaganaaa      120
ctattattta tac                                                         133

      <210> 578
      <211> 200
      <212> DNA
      <213> Homo sapien

      <400> 578
cctcaaatct atcttcaaag gtgacccagc aatcagtgtc aatgccttta ctgtagttaa       60
cctggtaatt tcattcttta gtctctccaa gaaaatctga agtgtattag gcaagtcaga      120
acccaaattg tctccaaggt tgcaaataat ttgtcccata caggaaatag ccctttcctt      180
gacttcctga tcaatgtcag                                                  200

      <210> 579
      <211> 402
      <212> DNA
      <213> Homo sapien

      <400> 579
ctgattttaa ccataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca       60
atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat      120
ccatgtactg ttgttttctc tcaacatcaa tgttcattgt aatgttactg atcatgcatt      180
gttgaggtgg tctgaatgtt ctgacattaa cagttttcca tgaaaacgtt ttattgtgtt      240
tttaatttat ttattaagat ggattctcag atatttatat ttttatttta tttgtttcta      300
ccttgaggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc      360
ttattgttcc aagacattgt caataaaagc atttaagttg aa                         402

      <210> 580
      <211> 245
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(245)
      <223> n = A,T,C or G

      <400> 580
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt       60
agggatggga gggcgatgan gactaagatg atggcgggca ggatagttca gacngtttct      120
atttcctgag cgtctgcgat gttagtatta gttagttttg ttgtgagtgt taggaaaagg      180
gcatacagga ctaggaagca gataaagaaa atgactntta gggcgtgatc atnaaanggg      240
ataaa                                                                  245

      <210> 581
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```
      <211> 294
      <212> DNA
      <213> Homo sapien

      <400> 581
[illegible] [illegible] aagacactac ttcccctatc ataaaagaac ttatcacctt        60
tcatgatcac gccctcatag tcatttccct tatctgcttc ctagtcctgt atgccctttt       120
cctaacactc acaacaaaac taactaatac taacatctca gacgctcagg aaatagaaac       180
cgtctgaact atcctgcccg ccatcatcct agtcctcatc gccctcccat ccctacgcat       240
cctttacata acagacgagg tcaacgatcc ctcccttacc atcaaatcaa ttgg             294

      <210> 582
      <211> 230
      <212> DNA
      <213> Homo sapien

      <400> 582
gaggtcgccc tcatagtcat ttccttatc tgcttcctag tcctgtatgc ccttttccta         60
acactcacaa caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgtc       120
tgaactatcc tgcccgccat catcctagtc ctcatcgccc tcccatccct acgcatccct       180
tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg                  230

      <210> 583
      <211> 481
      <212> DNA
      <213> Homo sapien

      <400> 583
ccaagggtgt tctgcctgcc tcagcctccc aaagtgctgg gattacaggt gtgagccact        60
gtgcctgacc acaggaaaac ttatttaaat gagagatttg actcgaaaga tcccgttttt       120
ttaaggctct tagttcttaa aagcggcaca taatagaatt agtataatcc caaataaatt       180
ttcagtagat ttttggtgta acttgagaag atgattctgt catttttagt gacaatttaa       240
aagacctgaa attgtctaca gccatagaaa gtgaactact gatagttgtt tctgtaaagt       300
tttattggaa cacaaccaca cctatttgtt catctgtatt gtctttggtt actttgtgca       360
gagaccatgg cccacaaacc taaaacattc actttctagc tctttaagaa ataattggcc       420
ccctgacacc ctggtcttaa ggtctagacc aattatttct caagagtatt agctgaatca       480
g                                                                       481

      <210> 584
      <211> 306
      <212> DNA
      <213> Homo sapien

      <400> 584
ccaattaaga gctaaattta caaaataatc tctatcagga ggctttaagg tttaatgtct        60
ctaaagtccc tatggatata agaggcttga atgtactgaa ttcaaatttg gtttttaaat       120
gttataatag tttaggcccg agagccacat atttctgtct aagaatagaa agcatagcta       180
gctgcccaca cagaatattc atatagaggt gggggcaagg aacaaaattt attcatttga       240
tacatagaaa tgggactact tagaatagac tcataataga aagcatcatc tggtttctca       300
tctcag                                                                  306

      <210> 585
      <211> 308
      <212> DNA
      <213> Homo sapien
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      <400> 585
ccagaatggt acagagtgga gggtgttctg ctaatgactt cagagaagta tttaagaaaa      60
acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacggtgt     120
tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac     180
agccaaatag aatggcccca agtgcagtgt ctgaacttat tctgagcaag gaacaactct     240
atgaaatgtt tcagcagatt ctgggtatta aaaaactaga acaccagctc ctttataatg     300
catgtcag                                                              308

      <210> 586
      <211> 416
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(416)
      <223> n = A,T,C or G

      <400> 586
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca      60
ctgaaaaatt ctaggaaagc ttatttcccc ttatattttt atggnacttt caacacttna     120
caacactatt tnaattaann tttnttctag agtttatann atatcagtac attcttttct     180
gtggatgcaa taatatagaa tctttattca aatcttactg gcaggntctn ttaaattctt     240
caacggntgn catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa     300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa     360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg         416

      <210> 587
      <211> 382
      <212> DNA
      <213> Homo sapien

      <400> 587
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tacaagggaa tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgcctc taccataaaa tcttcccact attttgctac atagacgggt gtgctctttt     240
agctattctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag     300
ttatttctag ttaattcatt atgcagaagg tatagggctt agtccttgct atattatgct     360
tggttataat ttttcatctt tc                                              382

      <210> 588
      <211> 307
      <212> DNA
      <213> Homo sapien

      <400> 588
cctactcttc ttcgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat      60
ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg     120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag     180
tggacaataa cacatggact aatacccata tttctcgagt agggcaggca atggcgtcca     240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt     300
ttggagg                                                               307
```

<210> 589
<211> 89
<212> DNA
<213> Homo sapien

<400> 589
cctgggtgat tgagggtgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
acagcaagac tgtctcaaaa aaaaaaaaa 89

<210> 590
<211> 456
<212> DNA
<213> Homo sapien

<400> 590
cctcagttct tgattgtggt tgacgggggg tcaccatgaa ggagcccatt tagtataaag 60
cttccaacct ttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg 120
ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagtg 180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt 300
tcaatgctct gaattcaact gacagactaa agggtgtttc ctgtaacagt ctgaaatatt 360
aagtgttttt tttgttttgt ttttaaatct tatttcagaa aacttcctct tggggtagga 420
aagtacacat gaagcagcaa agtaacgaag aaaaac 456

<210> 591
<211> 289
<212> DNA
<213> Homo sapien

<400> 591
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcg 289

<210> 592
<211> 435
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 592
cgcgttagat gcgccttttc cggcctgtgc gtctgctctg gttcctctca ggcagcaaag 60
ctggggaagg aagctcaggc aggagcctcc ccgacaccac agcggcacaa gcagcagcca 120
aagcaccgca ctttgctctg ctaacctttt acttaaatga ggttttgcca aatccacatc 180
tggaaccgca tcacacccat ttgcaaggat gtttgttctt tgatgaaact gcatctctac 240
tgcacatgan ggctttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt 300
tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa 360
tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa 420
cgggatttgn gtgtc 435

<210> 593
<211> 633
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 593
ctgtttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc 60
agcataaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata 120
gcccaagttt tgtgaatact tttgtagtta aaaaaatttt ttactttacc agggcattgc 180
aattcttttc catcagtgaa tttcattcta cagacttttc agagcatctc ataatcagtc 240
aacaaatcta tttcaaatgt gtttgttact aagcaacggt tgctaagagc ttctgtaatt 300
aagatgaaag ttccaaggta acaatgccca aacacagcac cattttcacc attttctgat 360
aatgcaggag taggatggct aaaagtgaaa gaagaatcta ctctatggaa agcatggcac 420
ctgaaatttc tgaagatatt ggctgtcctc tagcttatat gagagagagt gtttgtgctt 480
tactaatcaa ccagtcattt ttttcttgtg tggctgaaat gtacattcca gacatgaaca 540
ggtagagtat gtgttggggg caggtttata ctgcatgggt gtgctgagac agggccacgt 600
ggtgatgtaa atgatgctgn ctgacacgtg cag 633

<210> 594
<211> 501
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (2)...(501)
<223> n = A,T,C or G

<400> 594
cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaagaaaag 60
tgagcatctg cctttcaggg attatccagt ctatactact ctgttctagc cacacaaaac 120
aggttaagac agaaattggt accaagagtg gggtgttact acagcaaata cctgaaaatg 180
tagaagaggc tttgaaatgt ggtaattgga agaagctggt agaatttgga ggagtaggct 240
agaaaatgtc tctattttca tgaatggagc attaagaata attccggtga ggccataggg 300
aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtaggtt ggtagaaata 360
tagacagtaa aagcaattct gatgtggttt cagaggaaaa tgaaaaatat tagaaactga 420
aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca 480
agagatttat ggcagaaatg t 501

<210> 595
<211> 383
<212> DNA
<213> Homo sapien

<400> 595
ctggtcacca tcatcccttt aatcaactca cacctgttta aagagtgttt ctgatttgac 60
cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
ggtctcatta tcaaaccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc 180
tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240

```
gagatggagg atggaaggat tggtaccaga agagggctaa gatacgtttt ctgtcttgag      300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag      360
gtgacatgtt tagagtcacc cag                                              383

      <210> 596
      <211> 266
      <212> DNA
      <213> Homo sapien

      <400> 596
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga       60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc      120
ctttagtgtt gtgtatggct atcatttgtt ttgaggttag tttgattagt cattgttggg      180
tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata      240
gaatgatcag tactgcggcg ggtagg                                           266

      <210> 597
      <211> 383
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(383)
      <223> n = A,T,C or G

      <400> 597
ctggtcacca tcatcccttt aatccactca cacngtttta aagagtgttt ctgatttgac       60
cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg      120
ggtctcatta tcaaaccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc      180
tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta      240
gagatggagg atggaaggat tggtaccaga agagggctaa gatacgtttt ctgtcttgag      300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag      360
gtgacatgtt tagagtcacc cag                                              383

      <210> 598
      <211> 266
      <212> DNA
      <213> Homo sapien

      <400> 598
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga       60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc      120
ctttagtgtt gtgtatggct atcatttgtt ttgaggttag tttgattagt cattgttggg      180
tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata      240
gaatgatcag tactgcggcg ggtagg                                           266

      <210> 599
      <211> 294
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(294)
```

<223> n = A,T,C or G

<400> 599
ccaattgatt tgatggtaag ggagggatcg ttgaccacgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacaggg ctaggaagca nataaggaaa atgaccatga gggcgtgatc atgaaaggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcgc tgca 294

<210> 600
<211> 213
<212> DNA
<213> Homo sapien

<400> 600
agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgccgagg 60
agaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattggtcc 120
aattgggtgt gagggattca gtttatatctt tgggattttt taggtagtgg gtgttgagct 180
tgaacgcttt cttaattggt ggctgccttt agg 213

<210> 601
<211> 471
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 601
nactactatg ggtattaaat ttttactctc ctctacaagg ttttttccta gtgtccaaag 60
agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgtgggc 120
aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180
tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt 240
tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa 300
gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
ttggttataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt 420
tctatcgcct atactttatt tgggtaaatg gtttggctaa ggttgtctgg t 471

<210> 602
<211> 482
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 602
tgagcataca gcaataaaaa taacataatt tntatgtgta caatatttat ggaatacgtt 60
actggaacag ataaataatt tagttaataa catgacaaag aacagaaatt gtatacacta 120
tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag 180
ggtatctttg agagcagaac tcaaggaagc aagcaatttg ccttatgagg aaagagttac 240

```
ctgtggataa aggagaaact gaaaaatttc caagtcaaga ctttttgagc aaaaacaaaa     300
atatgactat gagtcaccaa ttcagtacag tgaaaaaaaa gttgaagaga tatcttggaa     360
gtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattactct gaatgaattt     420
taaatgcgat aggaatatat gagataattt caccagagaa taatatgatc atgtttgcat     480
tt                                                                    482

      <210> 603
      <211> 372
      <212> DNA
      <213> Homo sapien

      <400> 603
gttccaacct tcatttctga aactgttcta gagcactttg tctttctcgt agttcataac      60
ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta     120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga     180
ctcataacta gaatctttag atgaaactta ctgagttgaa taacttaata tatttctgtt     240
ttcattccca aggaaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac     300
tataccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga     360
ggaagtcact gg                                                         372

      <210> 604
      <211> 468
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(468)
      <223> n = A,T,C or G

      <400> 604
gcngttttga gtgagtttct tcatcctgag ttctggnttg attgcactgt ggtctgagag      60
atagtttgtt ataatttctg ttctttacca cttactgagg agagctttac ttccaagtat     120
gtggtcgatt ttggaatagg tgtggtgtcg tgctgaaaag aatgtatatt ctgttgattt     180
ggggtgggga gttctgtanc tgtctattag gtccgcttgg tgcagagctg agttcaattc     240
ctggatagcc ttgttaactt tctgtctcgt tgatctgtct aatgttgaca gtgggtggt      300
aaagtctccc attattgttc tgtgggagtc taagtctctt tgtaggtcac taaggacttg     360
ctttatgaat ctgggtgctc ctgcattggg tgcacatata tttaggacag cnagctcttc     420
ttgttgaatt gatcccttta ccattatgta atggccttgn ctcttttg                  468

      <210> 605
      <211> 288
      <212> DNA
      <213> Homo sapien

      <400> 605
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat gttagtattc gttagttttg ttgtgagtgt taggaaaagg     180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg     240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgc                  288

      <210> 606
      <211> 572
      <212> DNA
```

```
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 606
gaatnaaatg aatgaaatcg aaaatataat tgagagcttc aacaacagac tataccaaat      60
ggaggaaaaa atttctgaac ttgaagatag atcttttgaa ataacacaag cagtggcaaa     120
aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa     180
atattcatac tatgggcatt ccagatggaa aaaagaaggg taaaggtgag gaaatcatat     240
ttaatgaaat aataacagaa aatttccgga gtcttgggag agagatgagc atttaggtcc     300
agggagctca aagaacccca aacagattca acccaaacag gtcctctctg gagcccaaca     360
tagtcaaatt gtaatnagta aaagacaaag aatttcaana agcattcaag agaaaagagt     420
caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta     480
cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac     540
cctgctagct aaaaatatta taccctgcca aa                                   572

<210> 607
<211> 178
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 607
ctcggggtaa tctcccagca agaggtcagg tcctggntgc gcgtcccagg gtgtcagtga      60
aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga     120
ccaaggccag accttttcatc tttcaaaaga ctttgactaa aaatgcttta aaaaagca      178

<210> 608
<211> 416
<212> DNA
<213> Homo sapien

<400> 608
cctgtctttg aatggatgaa ataggttaat aaagaacatc actgtttaaa aactagaaca      60
ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggtacttt caacacttaa     120
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcctctct     180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt     240
caacggctgt catagtgatt aacaaaaatt agttatgatt tctgcctatc tgtgtgagaa     300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa     360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg         416

<210> 609
<211> 646
<212> DNA
<213> Homo sapien

<400> 609
ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggccaata ttcaacattc      60
```

```
ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg       120
aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc       180
ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc       240
gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac       300
aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat       360
[illegible] [illegible] [illegible] [illegible] ccatcagggt actgtattca       420
ggaaacccat ctcaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga       480
tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa       540
cagactttaa accaacaaag atcagaagag acaaagaagg ccattacata atggtaaagg       600
gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc                    648

        <210> 610
        <211> 310
        <212> DNA
        <213> Homo sapien

        <400> 610
ccagctcttc tctgtcacat tcctatttct gacttctgcc tggctttcag tttctgcccc        60
accttggctt ttttcccagct tgaacctaat agaactccag agtttggggg gaggcccagc      120
cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa       180
ctgttttgag gctcttacag tagtcgaagg tctcttagat cttccttagt gatctcatta       240
agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag       300
agctgagcag                                                              310

        <210> 611
        <211> 254
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(254)
        <223> n = A,T,C or G

        <400> 611
ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac        60
aattgtggaa ttacaggaat tctggtgata ttaaggtgaa acaacaaacc acaaaaggcc       120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa       180
tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat       240
gtggaactag gcag                                                         254

        <210> 612
        <211> 225
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(225)
        <223> n = A,T,C or G

        <400> 612
ctgactatat catgtcacca tcataggcaa tacaacattn ttgccatact tcctaaaaac        60
cttttcgcat acactgatca tgctacttat cagcactttc taacatcctg accaaacaga       120
caccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac       180
```

acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaa 225

<210> 613
<211> 471
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 613
ccatcagact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaata tcccaagtct 60
tacatccaaa tagaggctct gacttagaag catgctttta gctttctttt taaataagac 120
attctggaag aaaaaaaaag aaaaaggaaa gaaaatcaag tttgaaacac agttaacact 180
tattttggra agaaagcaac caaaatctaa aaagcataaa ctatgngtcc aaatgnaaaa 240
ggnattacag aacaaactgc aagaggggaa aattaaagcc ncactgaacg aaaaaataca 300
gtatgtctaa cattttggaa ttgnaattta aaccctaagg gcaaaagctg aaaaatcatg 360
cttanacctn ggncgngacc acnctaaggg cgaattccan cacactggcg gncgttacta 420
gtggatccna nctcggtacc aagcttggcg taatcctngg catagctgtt t 471

<210> 614
<211> 421
<212> DNA
<213> Homo sapien

<400> 614
gttatttttt agaatggctc tcccatcttg agtatgtgtg atgttctctc atgtatgaat 60
gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg 120
ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggt tacttttatt 180
atttgataaa ggttgtatat aacttatcta ttatggcata atacattagc taaaaccttg 240
gcggtgtaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg 300
tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgcgg tctgacctaa 360
aggcttagtt agggggtggt agaaatcttc catatgttct ttgctacgtg gacctcacag 420
g 421

<210> 615
<211> 242
<212> DNA
<213> Homo sapien

<400> 615
cctcctattt attctagcca cctctagcct agccgtttac tcaatcctct gatcaggatg 60
agcatcaaac tcaaactacg ccctgatcgg cgcactgcga gcagtagccc aaacaatctc 120
atatgaagtc accctagcca tcattctact atcaacatta ctaataagtg gctcctttaa 180
cctctccacc cttatcacaa cacaagaaca cctctgatta ctcctgccat catgaccctt 240
gg 242

<210> 616
<211> 392
<212> DNA
<213> Homo sapien

<220>

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<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 616
[illegible]                                                       60
taccatgttt tttttttnt tcctaaatct nttggttcag cttgngaatn ttacgtgccc  120
gtaaagtngg gatgttgaat nggcccttnt ttgttctggc agnagtcca gngtccanca  180
tttttcata agngtttttt aaaatngttc tccancattt tatggctcct ccctcccatg  240
tcctcaaac cagcaaagc gtanaggcan aattanagga cccncccggg cggccgntaa   300
gggcnaattc cagcncactg gcggccgtta ctagnggatc cnagctcggn nccaagctng 360
gcgtaatcat ggncatagct gtttcctgtg an                               392

<210> 617
<211> 215
<212> DNA
<213> Homo sapien

<400> 617
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga  60
gctgttc.tc tctggactac cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc taccctataa tcttcccact atttt                            215

<210> 618
<211> 433
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 618
cttttgtntg cctgttttgt ggactggctg gctctgttag aactctgtcc aaaaagtgca  60
tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccaa 120
atccagaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180
aacatgagaa taacttaagg attctagttt agtttttgt aattgcaaat tatattttg   240
ctgctgatat attagaataa tttttaaatg tcatcttgaa atgaaatat gtattttaag  300
cactcacgca aaggtaaatg aacacgtttt aaatgtgtgt gttgctaatt ttttccataa 360
gaattgtaaa cattgaactg aacaaatac ccataatgga tttggttaat gacttatgag  420
caagctggtt tgg                                                    433

<210> 619
<211> 259
<212> DNA
<213> Homo sapien

<400> 619
ctgcagtgtc ccttttata tcatgctagt gttgagacat acttgactaa cttgggaaca  60
gttcgatata ttgacaaccg tccacttaag aaaatcaaca gcttttggcc ccagcgtcca 120
agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata 180
ctgaaaattt aattattagt actatgactg aaagattctt catggctaaa aagccctgca 240
tcaaactcaa ttcaggagg                                              259
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<210> 620
<211> 393
<212> DNA
<213> Homo sapien

<400> 620
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ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta        60
gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct       120
ttcaactgtc taagacttta tcacttaaga tcataaacac agaagcaggt cataaaaata       180
gcttttctta aggtttagga gaatttgtag gggcacttac ttgataatct gaattttcta       240
gtcagaagtt taaataccac cttttaaaaa cataaaattt aatttgtaac aagttattaa       300
caaagcagta ttgtcgaaag ttttaagctt tctcccaata atttaattac attaattaaa       360
tttttaccat tctaatggtt acaaagtaac cag                                    393
```

<210> 621
<211> 563
<212> DNA
<213> Homo sapien

<400> 621
```
ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag        60
cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc       120
acatattttg cttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg       160
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa       240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt       300
tggctaagct caagctcaaa acaggtcttc aaggagaaaa tacatcacaa agaaaaggat       360
gttttatttc ttaccttgtc ctagaaaaat ttccataaac tctattggct taattctgta       420
aacttgacca atatcagagt gcttcctacc aaggagggta gctgatgagc gtgaccatgg       430
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaagagt tgaaaattat       540
tcaaggagac attatggtct tgg                                               563
```

<210> 622
<211> 505
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 622
```
tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat        60
ctcttgtgtt ccgactttct acttttcaac tttgaacttc aaaaaaacat tactttgctt       120
atcctttgta ctttgatcag gttgtttaga attgtagatc aaaccattct ttgatcattt       180
tattgtttaa atgnttagtt ccatttataa tttttatagc caactctcgg ttatttctgt       240
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg acttttatac       300
ttaggcttct ttaaatacta atagtcaaga attctagagc atctaataaa aaattaactt       360
tcagatcatt gggaatctgt cctcatttaa atatgtgtaa atgcatttcc acagcaaatt       420
gctttatgcc ctttgnctat aaggaaatta ttccttgtag ctaatacatt tttcattttg       480
cagnccaaat cttttttgag aaagg                                             505
```

<210> 623
<211> 489

<212> DNA
<213> Homo sapien

<400> 623
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
[illegible] [illegible] cagttaaatt tacaagggga tttagagggt cctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctacaaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tacagggatt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
cttatcgctat actttatttg ggtaaatggt ttggctaagg ttgtctggta gtaaggtgga 480
gtgggtttg 489

<210> 624
<211> 233
<212> DNA
<213> Homo sapien

<400> 624
gttggggaac agctaaatag gttgttgttg atttggttaa aaaatagtag ggggatgatg 60
ctaataatta ggctgtgggt ggttgtgttg attcaaatta tgtgcttttt ggagagtcat 120
gtcagtggta gtaatataat tgttgggacg attagtttta gcattggagt aggtttaggt 180
tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg 233

<210> 625
<211> 459
<212> DNA
<213> Homo sapien

<400> 625
ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggattttca 60
gtatgcaaaa ttatggctaa aaataagggg cttcttacat gaacataatg aaaacattaa 120
tcacatggat tgttccctta gtactgcacg ccttttctat ggaacttttt caaattatct 180
aaatgaacaa gtttggtttt ggtgaacacc agccttttttt tttgtggttc agttttgtct 240
ggctttgtct tccactgggg tcagacctga tacttatcta tctatgaata aatgtacatt 300
tttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaaggа 360
tcatagaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta 420
ttagagattt taaggaaatc ttgtaggttt cgacattgg 459

<210> 626
<211> 458
<212> DNA
<213> Homo sapien

<400> 626
cctgatgatt gttttaaaca gtagaaaggg ttcagctaag aactacagtc cactctcagc 60
cctgtcatgt actataggac aagtcttcat tcacaacaaa tggatagcaa caccaatctc 120
gtaacactag gaaaactgca tacaatattt agaaggaaca ctaatacagc agaatctgca 180
cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttggtc 240
acttttctga accttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta 300
tatgaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt 360
aaagcactat gctggttatt gtgatatctg agatattttt aaagttgcaa ttcaattcaa 420
caagcattca tttagagtca tgtgcaaggc actgtgct 458

<210> 627
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 627
ccatnngaac gcactcagga ggtggtttgt tctggatgca gaaaccagag atctagtttc 60
tatccacaca gacgggaatg aacagctctc tgtgatgcgc tactcaatag atggtacctt 120
cctggctgta ggatctcatg acaactttat ttacctctat gtagtctctg aaaatggaag 180
aaaatatagc agatatggaa ggtgcactgg acattccagc tacatcacac accttgactg 240
gtcccagagc aacaagtata taatgtctaa ctcgggagac tatgaaatat tgtactggga 300
cattccaaat ggctgcaaac taatcaggaa tcgatcggat tgtaaggaca tttgattgga 360
ccgacatata cctgtgggct aggacttcca gga 393

<210> 628
<211> 233
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 628
ctggatttat aaaatagttg aatgacaaaa gaagcntgtt ttgacagtaa aaaaaggaca 60
ttatggacaa aatatgcaaa atgtgcaaag aaaaaataaa tttgcattag aaaggtgggc 120
atttgatctc tgagccctgt gccatgtaac attgccatgt tctttcactg ttgtttgaat 180
gttgtacccc ancccttgac tctggactta aggcaagcta tgactggctt tgg 233

<210> 629
<211> 450
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 629
ccnggacaat ntaggcaggc gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
aaattgtccc tgtttgcaga tgacatgatt gtatatctag aaaacccaat tgcctcagcc 120
caaaatctcc ttaagctgat aagcaactcc agcaaagtcg caggatacaa aatcaatgga 180
cacaaatcac aaacattctt atacaccaat aacagacaaa cagaggccaa atcacgagtc 240
gaactctatt ccaattgctt tcaagaaaat taaatacctt agggatccaa cttacaaggg 300
acatgaagga cctcttcaag gagaaactac aaaccactgc tcaatgaaat aaaagaggat 360
acaaagaaat ggaagaacat tccatgctca ttggtagctt gatggggatg gcattgaatc 420
tataaattac cttgggcagt atggacctca 450

<210> 630
<211> 486
<212> DNA
<213> Homo sapien

<400> 630
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctataaa tcttccccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tatagggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg 480
agtggg 486

<210> 631
<211> 211
<212> DNA
<213> Homo sapien

<400> 631
tttacataaa tattatacta gcatttacca tctcactttct aggaatacta gtatatcgct 60
cacacctcat atcctcccta ctatgcctag aaggaataat actatcactg ttcattatag 120
ctactctcat aaccctcaac acccactccc tcttagccaa tattgtgcct attgccatac 180
tagtctttgc cgcctgcgat gcagcggtag g 211

<210> 632
<211> 293
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 632
cagcgcaagt aggtctacaa gacgctactt ccccatatcat agaagagctt atcacctttc 60
atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcctgta tgcccttttc 120
ctaacactca caacaaact aactaatact aacatctcag acgctcagga aatagaaacc 180
gtctgaacta ngctgcccgc catcatccta gtcctcatcg ccctcccatc cctacgcatc 240
ctttacatas cagacgaggt cnacgatccc tcccttacca tcaaatcaat tgg 293

<210> 633
<211> 263
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 633

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nggtctgcag tgtccctttt tatatcatgc tagtgttgag acatacttga ctaacttggg        60
aacagttgga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg       120
tccaagtgaa cttttcatgg agtgcagaat ctcaaatgga caaaatactt tgtcttttta       180
aatactgaaa attnaattat tagtactatg actgaaagat tcttcatggc taaaaagctc       240
tgcatcaaac tcaattcagg agg                                               263

      <210> 634
      <211> 491
      <212> DNA
      <213> Homo sapien

      <400> 634
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga        60
gctgttcctc tttggactaa cagttaaatt tgcaagggga tttagagggt tctgtgggca       120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt       180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt       240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag        300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct       360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt       420
ctatcgccta tactttcatt gggtaaatgg tttggctaag gctgtctggt agtaaggtgg       480
agtgggtttg g                                                            491

      <210> 635
      <211> 270
      <212> DNA
      <213> Homo sapien

      <400> 635
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt        60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct       120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg       180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg       240
ataagctctt ctatgatagg ggaagtagcg                                        270

      <210> 636
      <211> 383
      <212> DNA
      <213> Homo sapien

      <400> 636
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga        60
gctgttcctc tttggactaa cagttaaatt tgcaagggga tttagagggt tctgtgggca       120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt       180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt       240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag        300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct       360
tggttataat ttttcatctt tcc                                               383

      <210> 637
      <211> 537
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
```

```
        <222> (1)...(537)
        <223> n = A,T,C or G

        <400> 637
ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc        60
[illegible] [illegible] [illegible] ttagttgttt tggcagtact gaaatcaaag       120
gagctggttc ttcttttctc ccaattattt tcatatgaaa gcacctacaa ttagcctgtt       180
agtcctattc agatacatca aatatcagtg aatgctttac tattcgcaca tttaagcatc       240
tttgttttac ataaatttag agtatgaaaa ccagtgttca attttttatc ttgttgagct       300
tgtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat       360
tactaataca agggttaaag aaggtagatt ttgttttcaa tatttgggta atattagaaa       420
gattcttccc acagggaaga actagcaagt gtcccaattt tttccaaacg ttggggaggg       480
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttcctgct ttttagg          537

        <210> 638
        <211> 445
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(445)
        <223> n = A,T,C or G

        <400> 638
ccagcagaac acagnagtga tttggtcccg tttgttcccc agtggggtat ctatccttgt        60
gcagggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg       120
ctgcacacca gaatgaatga attgaattga aggggagggg tgatggtgga aaaaaaaaca       180
agtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacggttaaa       240
attccctgga agatgttaca taatcctatc atggtgttta ttatatggaa tctattttaa       300
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca       360
gtaaatactt tttgaatgaa ctagtatagt actttaatta gctagtcttc gtgtactggt       420
acaaaagaac agtgtcatct tacag                                             445

        <210> 639
        <211> 584
        <212> DNA
        <213> Homo sapien

        <400> 639
gcttgagtat tctatagtgt cacctaaata gcttggcgta atcatggtca tagctgtttc        60
ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt       120
gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc       180
ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg       240
ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct       300
cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca       360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga       420
accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct gacgagcatc       480
acaaaaatcg acgctcaagt caagaggtgg cgaaacccga caggactata aagataccag       540
gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgac                        584

        <210> 640
        <211> 404
        <212> DNA
        <213> Homo sapien
```

<400> 640
ccataggaac gcactcaggc aggtggtttg ttctggatgc agaaaccaga gatctagttt 60
ctatccacac agacgggaat gaacagctct ctgtgatgcg ctactcaata gatggtaccc 120
tcctggctgt aggatctcat gacaacttta tttacctcta tgtagtctct gaaaatggaa 180
gaaatatagg gagatatgga aggtgcactg gacattccag ctacatcaca caccttgact 240
ggtccccaga caacaagtat ataatgtcta actcgggaga ctatgaaata ttgtactggg 300
acattccaaa tggctgcaaa ctaatcagga atcgatcgga ttgtaaggac attgattgga 360
cgacatatac ctgtgtgcta ggatttcaag tatttggtgt ctgg 404

<210> 641
<211> 138
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

<400> 641
ctgtgacagg aacattacct gaagtgcagg gtggttacct gcacaaagtc ccatttccaa 60
aaatttctgt gtaattcacc agaaattttg gatggaataa ttagaaaaaa aaaaagaggt 120
tcaaacntgt aactcaaa 138

<210> 642
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 642
ctgtaggtgg aatttttacc cagaaaagat aggccctaga agcctcattt cttttcccca 60
tggaaaagga cagccctccg ctgcagcgtt caacttgtgt gtttactgac agagtgaact 120
acagaaatag cttttcttcc taaaggggat tgttctacat tttgaagtta ttttttaata 180
aaactgaatt atgttgtgta ttgtgcttcc taataggaaa tgcattattg gactgttttt 240
gtaacatcct gtttattgca aatagctagt atcgttcaaa aactgtataa aatacttttg 300
tacatattag caatgtctaa tttgtataca cttcagttaa atttccctaa aacttgaaag 360
gggaccttgt anaaattaaa a 381

<210> 643
<211> 403
<212> DNA
<213> Homo sapien

<400> 643
ccttcctaaa aaatagtggt gagctggagg ctacttccgc cttcttagcg tctggtcaga 60
gagctgatgg atatcccatt tggtcccgac aagatgacat agatttgcaa aaagatgatg 120
aggataccag agaggcattg gtcaaaaaat ttggtgctca gaatgtagct cggaggattg 180
aatttcgaaa gaaataattg gcaagataat gagaaaagaa aaaagtcatg gtaggtgagg 240
tggttaaaaa aaattgtgac caatgaactt tagagagttc ttgcattgga actggcactt 300

```
atttttctgac catcgctgct gttgctctgt gagtcctaga ttttgtagc caagcagagt        360
tgtagagggg gataaaaaga aaagaaattg gatgtattta cag                         403

      <210> 644
      <211> 688
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(688)
      <223> n = A,T,C or G

      <400> 644
cctatttatt tgttttggcc ctggaccttc cctaatcaca attatatttc tttatttttg        60
cctttgagca gtttcattta tctttgtggg cagggaagat taaatatgaa attcagtcca       120
gtcattttgc tactggttag ctttagtttg aggcaagtaa aaatttttga ttaaaattag       180
tttcttaaaa ttatgccctt gctttaccaa ataatcaaat tggctaacaa ataagggtat       240
gtaactttgc attttgaaga acaaaccaat aatttttcat gagccctact cgatcttctt       300
taaagaagac cttcctaaga gacaatcagg gatgagtttg attaatggga aatagctcta       360
ggttagatta ttttaaattc catacaccaa gtgatttaac cacagtggca gtggcagctt       420
ctgaaccgtc aagtatgaac atcacttaaa aattaaaaga tgcttaataa taaactctta       480
attttcatta agccaatctg taattcagaa gaaaagcata tgtctgccat gggactattg       540
cagtgcgtct ccatcagtgt taacacagga gagatatgtt attttatgtg tatgtcttag       600
tttgggatat gtggtagtaa gaacatgtca agagtgcttt tctttaaacc tgncagctca       660
actgangaaa gacaggtact tccattgc                                          688

      <210> 645
      <211> 484
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(484)
      <223> n = A,T,C or G

      <400> 645
ccaaatgtgt ctccagccca cacttccagg tggcagagcg agctctctat tactggaata        60
atgaatacat catgagttta atcagtgaca acgcagcgaa gattctgccc atcatgtttc       120
cttccttgta ccgcaactca aagacccatt ggaacaagac aatacatggc ttgatataca       180
acgccctgaa gctcttcatg gagatgaacc aaaagctatt tgatgactgt acacaacagt       240
tcaaagcaga gaaactaaaa gagaagctaa aaatgaaaga acgggaagaa gcatgggtta       300
aaatagaaaa tctagccaaa gccaatcccc aggtactaaa aaagagaata acatgaaaac       360
gcccagggtt acttgaatgt ttttataaga taggaatata tgtcttcacc atgggggggg       420
gtctcggatt tcactaacgt tgtatatgaa aatgggtgcn ataaaaagta cttttaaact       480
ttgt                                                                    484

      <210> 646
      <211> 447
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
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<222> (1)...(447)
<223> n = A,T,C or G

<400> 646
gggtcgcgtt gaacaacttg gttcaagatg gtggggccat ttttagagcg gcaataattg 60
aaaaaaaagg cgaactctgc cttggagagg tagatgatga gaaataaaaa ggtgtttata 120
actattttgt attataaagt gggccttaga gataggaaga agaatgatgg attccttttg 180
gatcaatcag aaaggaaaca cgaagaaaaa gtcaggaagg tagagagaga aaaagggagg 240
gaaggagaaa gaatgggaat aaaataagga ggtaagagat actatttttg ctgagcaacc 300
agtgtgtttc aggatgatac aaagaaaaat atagaataga aataagtgca ggcttggaat 360
cagctacaaa tcctaaagat ggggtgtgtg tggatgtgtg tgtgtgtgtg tgnacaccat 420
tgtgtgtttg taaaatgtgt atgtccc 447

<210> 647
<211> 388
<212> DNA
<213> Homo sapien

<400> 647
gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttcc 60
tcaggtttag aacaatttcc cctgcaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

<210> 648
<211> 632
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 648
cctggctggg cntttgacct gcgnttttaa atnactcaca gagggtggga caggaggaag 60
agtgaaggaa aaggtcaaac ctgttttaag ggcaacctgc ctttgttctg aattggtctt 120
acgaacatta ccagctccag gtttaaattg ttcagtttca tgcagttcca atagctgatc 180
attgttgaga tgaggacaaa atcctttgtc ctcactagtt tgctttacat ttttgaaaag 240
tattattttt gtccaagtgc ttatcaacta aaccttgtgt taggtaagaa tggaatttat 300
taagtgaatc agtgtgaccc ttcttgtcat aagattatct taaagctgaa gccaaaatat 360
gcttcaaaag aagaggactt tattgttcat tgtagttcat acattcaaag catctgaact 420
gtagtttcta tagcaagcca attacatcca taagtggaga aggaaataga tagatgtcaa 480
agnatgattg gtggagggag caaggttgaa gataatctgg ggttgaattt ttctagttnt 540
cattccgtac attttcagtt agacatcaga tttgaaatat taatgttacc tcctcaatgg 600
ggtggtatca gacctgcccg ggcggncgnn tc 632

<210> 649
<211> 300
<212> DNA
<213> Homo sapien

```
        <220>
        <221> misc_feature
        <222> (1)...(300)
        <223> n = A,T,C or G

        <400> 649
nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa      60
attattggta accaatttat tttaaaagcc catcaattta atttctggtg gtgcagaagt     120
tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa     180
tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac taaaaggact     240
ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg     300

        <210> 650
        <211> 498
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(498)
        <223> n = A,T,C or G

        <400> 650
ngtnctgnta aacagaaggg tacaangccc ttctcgcttt aagcagtcat aggaatgtga      60
cagacattcc tcttagggag cgcctcctcc tagggtttcc tcatctgtct cacactgagt     120
ggatgtaatg cctttttaat cctgctgtgg ccccaaatac tactacttgt ccataccttc     180
ttgcattttt agcgtctgct ctgtggggtt gttaggccct ggcactccca ggaactagtg     240
ctaaagctgc atctntctct cccctctagg gatcgataaa gtttcactgc agaaagtctc     300
cactgcggta tgctgacatc tgccctgaac cttcacccta cagcattaca ggctttaatc     360
agattctgct ggaaagacac aggctgatcc acgtgacctc ttctgccttc actgggctgg     420
ggtgatcctt ggtgcctttg tttccacaag gccttttcct gccccctgcc ttgccaaaga     480
catttaatca gcacacag                                                   498

        <210> 651
        <211> 654
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(654)
        <223> n = A,T,C or G

        <400> 651
ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag      60
cctaaagggc tttttctttt ctgtgtattc cttcttggcc tcaaacatgg gtacagtcac     120
aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa     180
gaggatccac aggtaaccaa aaagtaccag ggaaatggca gaaaaggaaa acctcaggag     240
accaacctca taagtggtat ttattagngc ctgggctcaa atccaaattg tacatgaata     300
tgtctggtcc tagatagggt accgaagact ttgaaagtga attttggtat atcattgccc     360
agattccaga ctggntattg tgtgacacaa catacaggat atatctgaat agtgctcaga     420
agagtttgaa aatgcaaatg atattaaaat aaagatgaaa aagagaaagc tggtcagaac     480
ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat     540
gaattaaaac aagatttaga gactgagcat ggtagctnat tctcgtaatc caacnctttg     600
ggagggcaag gcaanagaat tgcttgcggc caggagtttt gagaccagct tggg           654
```

<210> 652
<211> 293
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 652
ngtctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc 60
cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca 120
cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac 180
gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cacactagcc 240
ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt 293

<210> 653
<211> 294
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 653
ngtccaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacattcgtt 60
ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa 120
gatacacaac agttaagcgt aaagatcaca ggcaatagca ttcaaacatg gatgtgggta 180
gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt 240
tggcttttca tgggccgctc acaacaccaa cgctgtgtga ggtatggtag tcag 294

<210> 654
<211> 250
<212> DNA
<213> Homo sapien

<400> 654
ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagttg 60
gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga 120
aaggaaattt aggaggcata ggccatttca ggcagcataa gtaatctcct gtcctttggc 180
agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt 240
aattatgagg 250

<210> 655
<211> 494
<212> DNA
<213> Homo sapien

<400> 655
ccattataat tttataacac cattaccctt taaattctac cgattataag cagcgtaaaa 60
gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt 120

agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa 180
cctttttctg gtagcaccac ttttgctttt aatagaaaga tgagttcata tctgtacatc 240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttaa 300
tacctctgcc ttttcactaa aagccattta atatttttaa agtcaaaact tgacatacag 360
gtatttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtaggt agctttggct 420
atgtaaagaa atagtagagg acaattactt aaagaagagt tttcttttga ggatttgtag 480
atttgactaa gcag 494

<210> 656
<211> 477
<212> DNA
<213> Homo sapien

<400> 656
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacatgg atgccacaca taacttccct tgtagtttca 120
cagagggcct atttgtggtt gctcaggtgg ggtcatacat tgcttgcaga aatggcctga 180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca 360
catttctaac aacacttttc tttttctcag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtagggattc agtaatcaaa ggttgttatt gcaaaagagc caggcag 477

<210> 657
<211> 576
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

<400> 657
cctctacttc tanatcacta tttttctaaa gacaatttgg tgttttgaag ataactgtca 60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catatttttct 120
ctttttcgca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt 180
ttcattttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat 240
aatttgaaaa tggaaacatt tgacccacag tctagcagca taaatacatt tataaaatac 300
ttcattgttg atcttaggtc attgatttac aacagaattt ggtgactatg ggcaggtgga 360
gggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt 420
gtataaacat aatatattca tggttgtatc tcttatttat aatacccaac taacatgaag 480
gtggtccaag ggaaggatca atattttaaa taacatattt gcttaaaata tcatacagtg 540
gctgcttcat aaaaaatctt ataaactttt attacc 576

<210> 658
<211> 344
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 658

cctgaaaaga aagntgctct tatggactct tgcatgttaa gactatgtct tcacatcatg 60
gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc 120
catgatggct tccacaaagc attaaacctg gtaaccagag attactggtg gctccagcgt 180
tgttagatgt tcatgaaatg tgaccacctc tcaatcacct ttgagggcta aagagtagca 240
catcaaaagg actccaaaat cccataccca actcttaaga gatttgtcct ggtacctcag 300
aaagaatttt catgagtgtt cttaattggc tggaaaagca ccag 344

<210> 659
<211> 230
<212> DNA
<213> Homo sapien

<400> 659

ctgctttccc tgctaaaccg ttccagagca aaagcagcaa aaagaaaata tgggagggat 60
atgggcaacg tatactcgaa cgtacgcaga gaagagagta cggttagctc taatatttct 120
cattgaactt ggtggtatgt gccttccctg catataaggc catagtgctt ttttgggagc 180
gctagaatat ccatccactt gacagtgacc acaaaatagg ctgtttccag 230

<210> 660
<211> 80
<212> DNA
<213> Homo sapien

<400> 660

ctggtccttg ttaaactgga tcacccactt ggaaagatcg actggaggct cctgggtgtt 60
ctgagggccc tgggggacag 80

<210> 661
<211> 535
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G

<400> 661

ctgaaccata tctgattaac tctttggtct ctgttattgg aacaaaaccg acgctatgcc 60
tgcagccgcc agactgcaac caaaaacaca gtttggggtc agaagacatt aaaaatcaca 120
ataaaatagg atgaatgttc taagtcacgc aactgaatca aggcaccttt ttttttcaaa 180
agcaaaaagt tgtttaacaa tattccagaa tagtagatac ttcaaaaacc agattacagt 240
atatatcatt ttgctgcaca ttttagtcta ttttctgtat acatagtcac acattcttta 300
ccctctccca acttatacat gctttatccc cccagtcatg tgctatgtag gtataaaaaa 360
ataaagttgt atctaaacaa gtgatttaaa aaaaaaaact aacgaatgcc ncnatnataa 420
cnctgaactt gtttccctnt tgaaggacat tggaaatgtt accgaggttn ntttacctng 480
gccgcaaccn cnctanggcc naattccagc ncactggggg ccgttactag gggat 535

<210> 662
<211> 257
<212> DNA
<213> Homo sapien

<400> 662

```
cctgactaaa gcacatatca cactcctcac acttccatgt tttctctccc atgtggaccc        60
tctgatgcat atcaagattc aagcgcctgt tgtagccctt cccacagtcc tcacatttgt       120
atggcttttc tacactgtga actttttcct gcactttaga gaatgaattc tgtacaatgt       180
tcttcccatg ctgctcacat ttgagaggtg tttctctgct gtggcgtctc tgatgggtca       240
gacgagttga ggaccag                                                      257
```

```
      <210> 663
      <211> 516
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(516)
      <223> n = A,T,C or G

      <400> 663
ccaattatag gtattttatt ttttaaagat tagagngttc ttgaagctct ttctatttct        60
ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac       120
atcaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg       180
ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcatc       240
cctatgtata gttctgtcat ttttcaataa gagcttcttg cttaattatg aagtactagt       300
tactataacc attattttga gcttcatgta aatcaagaac acatggactc cacttgcaaa       360
acattgaaaa tgtagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac       420
aatgagtaag caacaaagtg tccaattttt taggcgaaag ttgcatatgt caggaaaggg       480
caggattaag taatagagaa tttgaatgct aactgg                                 516

      <210> 664
      <211> 212
      <212> DNA
      <213> Homo sapien

      <400> 664
gtccgaggag gttagttgtg gcaataaaaa tgattaagga tactagtata agagatcagg        60
ttcgtccttt agtcttgtgt atggctatca tttgttttga ggttagtttg attagtcatt       120
gttgggtggt aattagtcgg ttgttgatga gatatttgga ggtggggatc aatagagggg       180
gaaatagaat gatcagtact gcggcgggta gg                                     212

      <210> 665
      <211> 408
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(408)
      <223> n = A,T,C or G

      <400> 665
atccaggggt ncccggtngc tgcngggaaa cctccagcct tgttcttcaa accactcagc        60
tcatgtgttt tgcgctgact agtactgaat aatacaacca ctcttactta atgttagtat       120
tatttatttg acaactcagt gtctaacagc ttgatatgca ggtccttgca tcctacattt       180
ctttaggaag ttacccattt gtaactttaa aaacaggaaa aatatcagtt ggcaaatgca       240
atcttttttt tttttaagct aaaggggggn naacngnaan naaaatnttt ntgangtngg       300
gtctataagc acccttgang ggatntgtta aaagngncat naanggggga ttctcnttcn       360
```

gcaaaaaaat ntaannatca atttatanan ctttattttt nactttnt 406

<210> 666
<211> 635
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

<400> 666
ctgaagnaca agggtcgggc aaaaataaga tcacaatcac caatgaccag aatcgcctga 60
cacctgaaga aatcgaaagg atggttaatg atgctgagaa gtttgctgag gaagacaaca 120
agctcaagga gcgcattgat actagaaatg agttggaaag ctatgcctat tctctaaaga 180
atcagattgg agataaagaa aagctgggag gtaaaccttc ctctgaagat aaggagacca 240
tggaaaaagc tgtagaagaa aagattgaat ggctggaaag ccaccaagat gctgacattg 300
aagacttcaa agctaagaag aaggaactgg aagaaattgt tcaaccaatt atcagcaaac 360
tctatggaag tgcaggccct cccccaactg gtgaagagga tacagcagaa aaagatgagt 420
tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttgtt 480
aggaaaaaat tgaaagaact tanctctcga atgtcattgg aatcttcacc tcacagtggn 540
gttgaaactg ctatagccta agcnggctgt ttactgnntt ncattagcag gtgctcacca 600
tgtctttggg gtgggngggg ggagaaagaa agaan 635

<210> 667
<211> 388
<212> DNA
<213> Homo sapien

<400> 667
gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttcc 60
tcagggttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

<210> 668
<211> 498
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 668
tgatcttaac aaaattcgta gcagtggaac cttgaaatgc atgtggctag atttatgcta 60
aaatgattct cagttagcat tttagtaaca cttcaaaggt ttttttttgt ttgttttcta 120
gacttaataa aagcttagga ttaattagaa gaagcaatct agttaaattt cccatttgta 180
ttttattttc ttgaatactt ttttcatagt tattcgttta aaaagattta aaaatcattg 240
cactttggtc agaaaaataa taaatatatc ttatgaatgt ttgattccct tccttgctat 300

```
ttctattcag tagatttttg tttggcatca tgttgaagca ccgaagagta aatgatttct      360
aaaaggctat agagtccaaa ggaatgttct tttacaccaa ttcttccttt aaaaatntct      420
gagggatttg ttttcgcctt actctttttt cttctgtcac aatgctaagn ggtatccgag      480
gttnttaata tgagattt                                                    498

      <210> 669
      <211> 622
      <212> DNA
      <213> Homo sapien

      <400> 669
ccttagccaa agaatgcagt ggagccttcc cccttcaact gcattgtgaa tgaataccaa       60
ttaacagcat aaaaattaat agtcccatat cagatctgga aggggtttct ggggctgtct      120
gatgtcccta tcctgttgta gtgaacacaa tagcagaaaa ttctttctgg gtccatctgc      180
tataaagtct tggcaaaaca gcattactat gaagaggatg aactcaccta ccttcagatg      240
gaggaaaagt gaaaaggact taggctttag tccctcatga cttttcttaa gcactaccta      300
cctgtaataa gctgagtgca aaaggatgcc gaagaaaatc tgcacccaga agctgttaga      360
aagcactgca gagaacaggg tatgaagaaa ataaagagtt cttaataaac ccttaagatt      420
ctttgttcaa ggtaaccttg ccaaaagggc agagtaggtg gcaaagagtt gcttttaatc      480
tagctctaca ctgcatttga aaataaaatt tgcccatttt gaatatattg tttataatta      540
aatgtgcttt ttacactgca ggtcaatata aaaactggtt agtaaatttc cagcgagcat      600
ttatgttcat ttgctcacag ca                                               622

      <210> 670
      <211> 477
      <212> DNA
      <213> Homo sapien

      <400> 670
ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg       60
cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacgga tgatgaagat      120
gatatctaca aggctaatac cattgcctat gaagatgtgg tcgggggaga agactggaac      180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat      240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag      300
gaagaagatc ttcggaaaga gagtaaagac caactctcag atgatgtctc caaagtaatt      360
gcctatttga aaaggttagt aaatgctgca ggaagtggga ggttacagaa tgggcaaaat      420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctcagtctat ttatcag         477

      <210> 671
      <211> 127
      <212> DNA
      <213> Homo sapien

      <400> 671
gtgtgtgtgt ctacttgggc gtgtttaacg tgtgcgtttg tgtctgcgtg tgcatgtgtc       60
tgtgtgtgcg cgtgtatttc agtttgggtt gccggatccc atatgattgc gtgcctgtgt      120
acctgag                                                                127

      <210> 672
      <211> 400
      <212> DNA
      <213> Homo sapien

      <400> 672
gggtctgcac agctatgtta acagcatcct tataccagga gtaggaggaa agacacgact       60
```

```
ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gtttcagtgc      120
tcagaacgag tgtaacaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc      180
tcgagtgggt cttgcaccat tgcctggaat gaaaggaaca gattacatta atgcttctta      240
tatcatgggc tattataggc gcaatgaatt tattataact cagcatcctc tgccacatac      300
tacgaaagat ttctggcgaa tgatttggga tcataacgca cagatcattg tcatgctgcc      360
agacaaccag agcttggcag aagatgagtt tgtgtactgg                            400

       <210> 673
       <211> 600
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(600)
       <223> n = A,T,C or G

       <400> 673
ctggcgttgc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag       60
tgttagcatt gtcatctgag atcactgcta ttaatatcat ccattaattt attagtgagc      120
ttcactatat gcagactggg agataaggag aaaatctgtc acattctctc tagctaatca      180
gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg      240
acctaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat      300
tataattaaa gcaggtttct cacatacttt tcattctatc ctttggataa ttttgtgagg      360
aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgct      420
tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag      480
taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa      540
gagagaaact gggtctcttg ggagggtttc ggtgctacat ttataccctn catcagagtn      600

       <210> 674
       <211> 140
       <212> DNA
       <213> Homo sapien

       <400> 674
ggtggttggt gtaaatgagt gaggcaggag tccgaggagg ttagttgtgg caataaaaat       60
gattaaagat actagtataa gagatcaggt tcgtccttta gtgttgtgta tggctatcat      120
ttgttttgag gttagtttga                                                  140

       <210> 675
       <211> 245
       <212> DNA
       <213> Homo sapien

       <400> 675
gttgggtggt tggtgtaaat gagtgaggca ggagtccgag gaggttagtt gtggcaataa       60
aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta      120
tcatttgttt tgaggttagt ttgattagtc attgttgggt ggtaattagt cggttgttga      180
tgagatattt ggaggtgggg atcaatagag ggggaaatag aatgatcagt actgcggcgg      240
gtagg                                                                  245

       <210> 676
       <211> 621
       <212> DNA
       <213> Homo sapien
```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 676
```
ctgtccccag ggnaaatagt ngaattccac taagatctgt taataagatg tcagaataac        60
taataatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag       120
taatatgatc ttggaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata       180
attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcaggtcta tcatatggtt       240
tgacagattt tttaaaagtt atttttggta aggtcttctt ttagaaaaac attaatctca       300
agggtttttt gtaccactat aatctctaat acttactcag aattactgtg tatttactta       360
atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa       420
tatcttgaaa gctatattgt gggcttggta agcattttgt cttttctttc tctgttttgg       480
taaggattta aaattttttt cattgcaatt ttaagtggtt ttcaataagt aatagttttt       540
atcaaatttt tggtgcttgg tgcagagacg gcgtggggaa gggtgaatgg ttttgggaat       600
aattcagtgc acacctgggg g                                                 621
```

<210> 677
<211> 210
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(210)
<223> n = A,T,C or G

<400> 677
```
tttacataan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc        60
acacctcata tcctccctac tatgcctaga aggaataata ctatcactgt tcattatagc       120
tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact       180
agtctttgcc gcctgcgaag cagcggtagg                                        210
```

<210> 678
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 678
```
gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc        60
agggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann       120
aactgattaa tgtttgggnn tgagtttnta tatcacagcc anaattntat gatgnaccat       180
gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg       240
gagagctggg ttgtttgggt tgnggctcan tgtcagttcc anataataac ttcttggtct       300
aggcacatga atattgttgt ggggaanaga ctgataataa aggtggatgc gacaatggat       360
tttacataat gggggtatna gtt                                               383
```

<210> 679

<211> 371
<212> DNA
<213> Homo sapien

<400> 679
aaaatgaaaa tattgacaag agtttcagat agaaaatgaa aaacaagcta agacaagtat 60
tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa 120
aaatgaggaa attattggta accaatttat tttaaaagcc catcaattta atttctggtg 180
gtgcagaagt tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa 240
tttagaagaa tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac 300
taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaa gagttagaag 360
aatttggaag g 371

<210> 680
<211> 176
<212> DNA
<213> Homo sapien

<400> 680
cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
ttaatatttt tagttgggtg atgaggaata gtgtaaggag tatgggggta attatg 176

<210> 681
<211> 152
<212> DNA
<213> Homo sapien

<400> 681
ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt 60
aggaagatgc acattgatgt ggggttttga tgtgtctgat tttgactact caagctctgt 120
ttacagaaga aaattgaatg gcgagggtgt gg 152

<210> 682
<211> 141
<212> DNA
<213> Homo sapien

<400> 682
ccagtgcttg cttgccgtgg tttagtgatt gggtgttaga aataaaaact caggtctatt 60
tcttaccagt cagtaacaat ttttagagaa tgtacttggt atataatata tggacttcag 120
gaactttgtt ggggtggggg g 141

<210> 683
<211> 308
<212> DNA
<213> Homo sapien

<400> 683
ccagcaatgg taccgagtga gggtgttctg ctaatgactt cagagaagta tttaagaaaa 60
acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacagtgt 120
tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac 180
agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct 240
atgaaatgtt tcagcagatt ctgggtatca aaaaactaga acaccagctc ctttataatg 300
catgtcag 308

```
      <210> 684
      <211> 277
      <212> DNA
      <213> Homo sapien

      <400> 684
tggtattagg attaggatgt gtgaagtata gtacggatga gaaggttggg gaacagctaa      60
ataggttgtt gttgatttgg ttaaaaaata gtagggggat gatgctaata attaggctgc     120
gggtggttgt gttgattcaa attatgtgtt ttttggagag tcatgtcagt ggtagtaata     180
taattgttgg gacgattagt tttagcattg gagtaggttt aggttatgta cgtagtctag     240
gccatatgtg ttggagattg agactagtag ggctagg                              277

      <210> 685
      <211> 457
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(457)
      <223> n = A,T,C or G

      <400> 685
ctgtggcgtc ccctacttct cccaaacctc gcaactccct ccccaggacag tcagtgccaa      60
agaaacaggt cgctgaaaac taaaatgtcc acatccctaa ctggcaaccc acatcaaccc     120
caaaagcttc aagaatcatc taagatattt cagatgctct atgaagaaat tcactttaac     180
acttataact gtaagacttt gcatacatta caacagtgca ttagtgatac aagttgtcaa     240
atacgtttcc attcctttgg attttgcata tgatggtttt gcatcagtca ctgcaggtag     300
attgagcaag ctttttgtgt ttgttttttt aaacatgcat tcaactagat atgattcaga     360
atagattaat actccctttt tatcactaca gttagctaaa aaattgccag gcagtccacc     420
aaacagaatt tgctttaagc ccaacccaca gagtcag                              457

      <210> 686
      <211> 234
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(234)
      <223> n = A,T,C or G

      <400> 686
ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac      60
attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg     120
catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa     180
tgttgtaccc cagcccttga ctctggactt aaggcaagct atgactggct ttgg           234

      <210> 687
      <211> 315
      <212> DNA
      <213> Homo sapien

      <220>
```

<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 687
nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa 60
tatgtggagn attttggtct aattgatggt cgcctcacca tctgtacaat ctcctgtttc 120
tttgccatag tggctttgat ttgggattat atgcacccct ttccagagtc caaacccgtt 180
ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca 240
tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct 300
gatgatattt ggcag 315

<210> 688
<211> 522
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G

<400> 688
ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga 60
gactgaatgt ttgggttaag atgttagttg tcagaatcct gagaaaaggt tttaagcaag 120
gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt 180
gggtactgtc taaagtactt gatttatttt ttaaaacctt acaaaaaact tacaaggtag 240
gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga 300
tttgaaccag gcaatcctag agcctgtact gttagtaatt atactttagc acctgtcaag 360
aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga 420
agaatactgt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca 480
aattaaattt taagtatggt ttggagataa tatcaggaca gt 522

<210> 689
<211> 158
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 689
tctcaactta ntntnatacc cacacccacc caanaacagg gtttgttagg nattgtttgc 60
attaataaat taaagctcca tagggtcttc tcgtcttgct gtgtcatgcc cgcctcttca 120
cgggcaggtc aatttcactg gttaaaagta agagacag 158

<210> 690
<211> 300
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```
<222> (1)...(300)
<223> n = A,T,C or G

<400> 690
tagaactcgt atttttaaac ttctattctc tancctttttc cactacatta tgacacaaga      60
[illegible] [illegible] aaaatatcag accatctctt acttgtccca tccaatctta     120
catcgaatta tatgcaccct taaaagttta tttggagttt taaaaaactc tattagccca     180
aattacctga aataaactcc tggcttgttc ccctaatgtt tataaaaaat tgattgaaaa     240
tatttcattt aaaaatgaag ntcttgaatt tatttaaatt actgtcttgc agtgagttgg     300

<210> 691
<211> 305
<212> DNA
<213> Homo sapien

<400> 691
ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag      60
gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg     120
taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat     180
cacaaggctg ccaagtgcct gttttctcag aactaggagt tggtgaggtt tggctagtgc     240
tgaaaccatg catagggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa    300
gacag                                                                 305

<210> 692
<211> 582
<212> DNA
<213> Homo sapien

<400> 692
caggaaatgg ataaccattt taactgtatt ttttgcagcc cgtaccttct tgggaataca      60
attgtctaac tttttatttt tggtctggct gttgtggtgt gcaaaactcc gtacattgct     120
attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgtc atcaattatg     180
actaccctaa ctcctcagag gattatattc atcgaattgg aagaactgct cgcagtacca     240
aaacaggcac agcatacact ttctttacac ctaataacat aaagcaggtg agcgacctta     300
tctctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag     360
acagaggtgc aggtaaggat gactgatagg aaatgttggt agttacgagt cacatcgttg     420
tctacaaatc catttaaatg gtattggagg gtgagtaaaa ccttgaatgt gaaaacttaa     480
gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca     540
caatgatttg tgtcatagac ataattgatc aatttgcaat tg                        582

<210> 693
<211> 275
<212> DNA
<213> Homo sapien

<400> 693
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg     180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg     240
ataagctctt ctatgatagg ggaagtagcg tcttg                                275

<210> 694
<211> 397
<212> DNA
```

```
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(397)
        <223> n = A,T,C or G

        <400> 694
nggtctgcat ttttattgcg atctgcagat gaactggaaa atctcatttt acaacagaac      60
tgagacagac gaccaccata ttcactgagg tctaaatttg cagtttccac taatgacatt     120
ttgatttccc aacagagata cttctggtct tactgcacag tcttttaaga gaaatacttc     180
cattatgcca cattgtcctt gatccgtaag tgatgtgtta aggtgcttca aaggaactct     240
gacctctgaa gtacttgagc tactttagta tgtccagcct attgcttttt gttttagtgt     300
gtcaccataa atatcagggg cataaaaggc tatctattct taattcaagg ataaaacaga     360
agaagcttgt ggtataaaac aatagttcaa gatccag                              397

        <210> 695
        <211> 609
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(609)
        <223> n = A,T,C or G

        <400> 695
ctgagcttcc atttgtcagc tagcactgng gtagtcaacc atgcgaatga ggctattttg      60
gacctcatga ttgtccagtg cctgggctga taccgnggga aacgaaattt tgtggctgcc     120
cacaaaattc tggaaaataa tgatttttta gaaaacctcc actgntttgt tgtgcagcaa     180
taaataactg aaacaccaat ccaaaaaact tataaagcta taacaattaa aacagnataa     240
taatagtncc gggatacaaa aatggtcaaa ttgaaaggga tacaaagcct caaagcagtc     300
ctcactcata ananccttgt tgtatcacta aaanggcatt aaaattgaga anaaggaana     360
actagtggat taattaataa atgagaagta tccataagga aaaattaaaa ttcnattctt     420
gcttcacatt atgaaaaaat acaaacaaca gattgattaa agacttaaat gngatcaaca     480
aaatgttaaa actgtgataa gaacatttaa gaaaatagtt ctatnaccct gggataaaac     540
attttcntcc aaggcattaa agtgttaaat gaaaagactg atncatttat tcattagaat     600
ttaaattcn                                                             609

        <210> 696
        <211> 300
        <212> DNA
        <213> Homo sapien

        <400> 696
ctgcaaaata agcgtgctaa attaaattgt cttaaggttt ttccacttca ttttgtgact      60
ttgtgtggtt cgaatttctc agtattttaa ccagtgtgtt gatgttaaag tcaaaggctg     120
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta     180
aatagtgaaa ttgtatctca tattaacatt tcaaatgctc atattgaaaa tggaaaatag     240
taaacacggg aattgatttt attctggttg cctataatac ttcattttaa atgtaaatgg     300

        <210> 697
        <211> 391
        <212> DNA
        <213> Homo sapien
```

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 697
nngtcatctn tgatgnatct gancaggttg ctccacaggt agctctagga gggctggcaa 60
cttagaggtg gggagcagag aattctctta tccaacatca acatcttggt cagatttgaa 120
ctcttcaatc tcttgcactc aaagcttgtt aagatagtta agcgtgcata agttaacttc 180
caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta 240
ttggaaattt gttctaatga atgaaccatt ttgtcatata agattcatat ttacttctta 300
tacatttgat aaagnaaggc atggttgtgg ttaatctggt ttatttttgn tccacaagtt 360
aaataaatca taaaacttga acaaacaaaa a 391

<210> 698
<211> 536
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 698
ctgagcatac agcaataaaa ataacataat ttttatgtgt acaatattta tggaatacgt 60
tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact 120
atacagcata gtaatagaat aatgaatgat taaagttatt aatattaggt agaaaatgaa 180
gggtatcttt gagagcagaa ctcaaggaag caagcaattt gccttatgag gaaagagtta 240
cctgtggata aaggagaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa 300
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga 360
agtaaaccat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt 420
ttaaatgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca 480
tttcaaaggg gtgtatctgg tgcactgngt agaataaata ggntatgtga gcaagt 536

<210> 699
<211> 419
<212> DNA
<213> Homo sapien

<220>
<221> misc feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 699
ngtccacctg agggcaggtg acaaggacct gacagagccc atgcagggct ttagatttgg 60
acacacaaga gttgataact tcctcatgaa ctccttgcct gatctaaact catattatgg 120
gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac 180
aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca 240
ttcacctctg tttttttgtg attctttcac agataatgag accttaataa caaataggcg 300
taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaact tggttggctt 360
gatattttaa ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag 419

<210> 700
<211> 336
<212> DNA
<213> Homo sapien

<400> 700
ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg 60
agtaccagca ccgaaaatgg gttgagggag gatgggttgt atgtatgttt ctgcccacta 120
atttgagca gccatattct gaattaaatc gtcacagcca agtaataacc caagaatggt 180
atgagtttca tgtgtaatag ctcaaatgga ataagcatga atgctggagt ggaccattat 240
cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt 300
taggcaaaat caaaagtatt tgcggcaaaa taaagg 336

<210> 701
<211> 418
<212> DNA
<213> Homo sapien

<400> 701
ccatgtgatg atgttgacaa cccctgaaga gcctcagtcc attgttccac gtttaagaac 60
taggaatacc aggactgatg caattctact gggtcactat cgcttgtcac aagacacaga 120
caatcagacc aaagtatttg ctgtaataac taagaaaaaa gaagaaaaac cacttgacta 180
taaatacaga tattttcgtc gtgtccctgt acaagaagca gatcagagtt ttcatgtggg 240
gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc 300
ttgtcacatt acttacaaat caactggtga gactgcagtc agtgcttttg agattgacaa 360
gatgtacacc cccttgttct tcgccagagt aaggagctac acagctttct cagaaagg 418

<210> 702
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 702
gggcctgttg tgggggtggg ggaagcaggg aggggaacag ctaaataggt tgctgttgat 60
ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat 120
tcaaattatg tgtttcttgg agagtcatgt cagtggtaga aatataattg ttgggacnat 180
tagntttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan 240
attgagacta gtagggctag g 261

<210> 703
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 703

```
gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaataggt tgctgttgat      60
ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat     120
tcaaattatg tgttttttgg agagtcatgt cagtggtagt aatataattg ttgggacnat     180
tagntttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag     240
attganacta gtagggctag g                                               261

        <210> 704
        <211> 381
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(381)
        <223> n = A,T,C or G

        <400> 704
ngtntgaatt ntattaaaga tacaaagagg agctggtacc atttcttctg aaactattac      60
aaacaactga aaaggtggaa tttctcccta attcatttta ggaggccagc attatactga     120
taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcactgatga     180
acaccaatgt gacaatcctc aatcaaatac tggcaaactg aattcagcag cacatcaaaa     240
agctaatcca ccacaatcaa gtcagcttca tccctgcgat gcaagtctgg ttcaacatat     300
gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt     360
tctcaataga tgcagaaaag g                                               381

        <210> 705
        <211> 477
        <212> DNA
        <213> Homo sapien

        <400> 705
ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac      60
ctttgcccgc ttagggtacc gcggccgtta aacatgtgtc actggcaggc cggtgcctct     120
aatactggtg atgctagagg tgatgttttt ggcaaacagg cggggtaaga tttgccgagt     180
tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg     240
taataatgac ttgttggtga ttgtagatat tggctgtta attgtcagtt cagtgtttta     300
atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc     360
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat     420
tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggtggctgc ttttagg        477

        <210> 706
        <211> 266
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(266)
        <223> n = A,T,C or G

        <400> 706
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga      60
ggaggttagt tgtggnaata aaaatgatta aggatactan tataagagat caggntcgtc     120
ctttagtgtt gtgtatggct atcatttgtt ttgaggntag tttgattagt cattgttggg     180
tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata     240
```

```
gaatgatcag tactgcggcg ggtagg                                        266

      <210> 707
      <211> 358
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(358)
      <223> n = A,T,C or G

      <400> 707
ccatcagaga aatgcaaatc aaaaccacaa tgagatacca tctcacacca gttagaatgg      60
caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac     120
ttttacaccg ntggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat     180
tcctcaagga tctagaacta gaaataccat ttgacccagc cggccaatat tcaacattct     240
taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga     300
aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg       358

      <210> 708
      <211> 491
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(491)
      <223> n = A,T,C or G

      <400> 708
cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgcctc tacctataaa tcttccccct attttgctac acagacgggt gtgctctttt     240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag     300
ttatttctag ttaattcatt atgcagaagg tatagggttt agtccttgct atattatgct     360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt     420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggng     480
gagtgggttt g                                                         491

      <210> 709
      <211> 460
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(460)
      <223> n = A,T,C or G

      <400> 709
nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaatct gggatgctaa      60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg     120
ctccttccaa catttacatc tttttctttt ctgactttat atattttcaa taaaatttg      180
```

```
ctccacagtt tttaagntca ttcttcttga atccgntttt acatttgctg ngacaaacct      240
gcataaaact agattttata gatataactt ctttggaaga gataaaaatt caaaagtttg      300
acattgcttt canttattct tttcttcatt gttttgattg gcccctgtta gattgatgta      360
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaagc ncttctagtg      420
caacagtaat tgaaacttgc agttttccat taaaaaaaaa                            460

      <210> 710
      <211> 542
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(542)
      <223> n = A,T,C or G

      <400> 710
ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg       60
tgttcagatg taatgtaatt ggagtgaaaa actgtgggaa aagtggagtt cttcaggctc      120
ttcttggaag aaacttaatg aggcagaaga aaattcgtga agatcataga tcctactatg      180
cgattaacac tgtttatgta tatggacaag agaaatactt gttgttgcat gatatctcag      240
aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgtatgcctg gtatataatg      300
tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca      360
gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat      420
acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca      480
cttgcaatac tgctgatgcc cccagtnagg atatctttgt taaattgaca acaatggacc      540
tg                                                                     542

      <210> 711
      <211> 394
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(394)
      <223> n = A,T,C or G

      <400> 711
caaacccact ccaccttact accagacaac cttagcccaa ccatttaccc aaataaagta       60
taggcgatag aaattgaaac ctggcgcaat agatatagta ccgcaaggga aagatgaaaa      120
attataacca agcctaatat agcaaggact aacccctata ccttctgcat aatgaattaa      180
ctanaaataa ctttgcaagg agagccaaag ctaagacccc cgaaaccaga cgagctacct      240
aagaacagct aaaagagcac acccgtctat gtagcaaaat agtgggaaga tttataggna      300
gaggcgacaa acctaccgag cctggtgata gctggttgtc caagatagaa tcttagttca      360
actttaaatt tgcccacaga accctctaaa tccc                                  394

      <210> 712
      <211> 552
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(552)
```

<223> n = A,T,C or G

<400> 712
gaggtctgta naatgccagg ctcaaatttg tctttataat ttaataccag aaatctttcc 60
cttgtgatgt ttctttcttt ctggattgcc tctatagcag gggatagcgg gggaggataa 120
ggcacatctt tgntgtactg agaaatttga ccacgcagga tgatgtggct gttctcattc 180
atctgcacag agaaaaataa tgataaaata tccctttcct atgtttactg attttatggc 240
tgccataatg gaagcctcct tgactattta atcctttctg tcaactaggt tcgatttttt 300
ttttaattta cctgttagag gtatttaana attttaacta gctanaaata attacattcc 360
aaaggaacac caaggcaaat aaatggttgg taatcagcaa aagaattaca ttagttgttg 420
ntgctactta ttagggggag aactgttttt ttttaaattt aaacaattta ataatctcaa 480
ctgcaaataa ttttagatgc agcaaaggac tatgtagncg ttaatacctc atgttgatat 540
tttcataata tt 552

<210> 713
<211> 518
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 713
ccaaaaactg gaagcagctc actaaacaaa cagtggcata cccatagaac tgcatacttc 60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa 120
atgccacatg aanaaancca aagggganaa acataaaaac tttatatgtc agtcatataa 180
aattctanaa aatgcaaact aatccatcnt aaaggaaagt aaatcaacag ttgtctggag 240
gaccananag agnaggagga ganagattat taaagggttt aaagtaaatt tgggagtgcc 300
cttccntttt taaatnctat gaaaatgaaa gtaaaggcnc atgcatgttg taaactaata 360
gtaacaaaca naatgggttg gagtggggtg ttgtctgggg acatcattac aaaatgtaag 420
ccagtttatn taaattttga aaagaccgtg gactctgatc tgactgatna atgttggaag 480
agataagtgt gctgcaaatg ggggaattaa taaaacag 518

<210> 714
<211> 281
<212> DNA
<213> Homo sapien

<400> 714
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaggg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac c 281

<210> 715
<211> 443
<212> DNA
<213> Homo sapien

<400> 715
cttgaaatca gcaacacact tacaaatgag aaaatgaaaa tagaagagta tataaagaaa 60
gggaaagagg attatgaaga gagtcatcag agagctgtgg ctgcagaggt atccgtactt 120

```
gaaaactgga aggagagtga agtgtataag ctacagatca tggagtcaca agcagaagcc      180
tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct      240
gatatacgtt catgggaatt gtttctttct aatgttacaa aagaaattga gaaagcaaag      300
tctcagtttg aagaacaaat taaggcaatt aaaaatggtt cccggctcag tgaactttct      360
aaagtgcaga tttctgagct ttcatttcct gcctgtaaca cggttcatcc cgagttactc      420
cctgagtcct caggtcacga cgg                                              443

      <210> 716
      <211> 639
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(639)
      <223> n = A,T,C or G

      <400> 716
ccaaanaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaac       60
aacagttgga gcaaagacta atgcagttaa tggaatcaga gcagaaaagg gtgaacaaag      120
aagagtctct acaaatgcag gttcaggata ttttggagca gaatgaggct ttgaaagctc      180
aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag      240
aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattctttag      300
caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga      360
atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg      420
ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat      480
tgctggaaga gcaactacaa catgaaattt caaacnaaat ggaagaattt angattctaa      540
atgaccaaaa canagcatta aaatcagaag ttcagaagct gcagactctt gtttctgcac      600
angcctaata aggatgntgn ggaacaaatg gaaaaattg                             639

      <210> 717
      <211> 473
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(473)
      <223> n = A,T,C or G

      <400> 717
nntgaggcta ctgctgtttt attacaacat tacctcttgt ttttacaaag tgtaccaaga       60
tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac      120
agttgtcttc tgtttctttt tgttttgntt tatttgnttt cctttttagc caaagagtga      180
acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaagtga ttggtggatt      240
ttagactaat tatgggggaa tttgccacca acataaacaa tatgtaaagn gtagtgatta      300
cagagtggtt aaaatgtggg ttagtactta tttattccat taattgatta tttgactgtt      360
tataaagaaa gttgctttat ttctttaaac atcttcaaaa gatgatcctt tcttgtcaca      420
ttacagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg             473

      <210> 718
      <211> 207
      <212> DNA
      <213> Homo sapien
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<400> 718
ggtaaatgct agtataatat ttaccatctc acttctagga atactagtat atcgctcaca 60
cctcacatcc tccctactct gcctagaagg aataatacta tcactgttca ttatagctac 120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
ctttgccgcc tgcgaagcag cggtagg 207

<210> 719
<211> 255
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G

<400> 719
cctatattac ggatcatttc tctactcaga aacctgaaac atcggcatta tcctcctgct 60
tgcaactata gcaacagcct tcataggcta tgtcctcccg tgaggccaaa tatcattctg 120
aggggccaca gtaattacaa acttactatc cgccatccca tacattggga cagacctagt 180
tcaatgaatc tgaggaggct actcagtaga cagncccacc ctcacacgat tctttacctt 240
tcactttcatc ttgcc 255

<210> 720
<211> 455
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 720
ccaatgtcga aacctacaag atttccttaa aatctctaat agaggcatta cttgctttca 60
attgacaaat gatgccctct gactagtaga tttctatgat ccttttttgt cattttatga 120
atatcattga ttttataatt ggtgctattt gaanaaaaaa atgtacattt attcatagat 180
agataagtat caggtctgac cccagtggaa aacaaagcca aacaaaactg aaccacaaaa 240
aaaaaggctg gtgttcacca aaaccaaact tgttcattta gataatttga aaaagctcca 300
tagaaaaggc gtgcagtact aagggaacaa tccatgtgat taatgcttnc attatgttca 360
tgtaanaagc cccttatttt tagccataat tttgcatact gaaaatccaa taatcagaaa 420
agtaattttg ccacattatt tatnaaaaat gttcc 455

<210> 721
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 721
ccagtgcttg ctgccgtggt ttagtgattg ggtgttagaa ataaaaactc aggtctattt 60

```
cttaccagtc agtaacaatt tttagagaat gtacttggta tataatatat ggacttcagg      120
aactttattg gggnggggg ttaatttgc cttaccctgt tcactttcag atgattaggc        180
ttttgcactt tagaatgaga aacttgtgac gttagtgtgt tcttactagc tttaatttgt      240
atgtagcaat gaattgtgaa tctttagtgca gtgggttttt ttaaaaaact caaaaagctg     300
ggaattaagt ggtttcagta ataatgctat accgaggtgc ttgcattgta tttcataatt      360
[illegible] [illegible] [illegible] aacggtcttg ggttcagagg tgtgatgcca    420
gaatgtattt tcgtactgtt aggcccttgg aacagatacc ggtgcttttct tgaaagatga     480
aagaaatgca atgggtgctc ttcatgcaag gttgcaaacc taccaagaat                 530

      <210> 722
      <211> 242
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(242)
      <223> n = A,T,C or G

      <400> 722
ccaagggtca tgatggcagg agtaatcana ggtgntcttg tgttgtgata aggggnggaga      60
ggttaaagga gccacttatt agtaatgttg atagtagaat gatggctagg gtgacttcat     120
atgagattgt ttgggctact gctggcagtg cgccgatcag ggcgtagttt gagtttgatg     180
ctcatcctga tnagaggatt gagtaaacgg ctaggctaga ggtggctaga ataaatagga     240
gg                                                                    242

      <210> 723
      <211> 472
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(472)
      <223> n = A,T,C or G

      <400> 723
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gccgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgcctc nacctataaa tctttcccact attttgctac atagacgggt gtgctctttt    240
agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag     300
ttatttctag ttcattcatt atgcagaagg tatcggggtt agtccttgct atattatgct     360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt     420
ctatcgcctc tactttattt gggtaaatgg tttggctaan gttgtctggt ag             472

      <210> 724
      <211> 292
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(292)
      <223> n = A,T,C or G
```

```
      <400> 724
nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttgtttt      60
ataagttttc acncaataca caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga     120
tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga     180
gaaaggagta cctggcatga gtacctgctt agttngactg aatccttgat ttttaatttg     240
gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag             292

      <210> 725
      <211> 122
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(122)
      <223> n = A,T,C or G

      <400> 725
atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa      60
ngaagtaaca aaaacctggc ctgcangngg ncccctatcc cgtggctcca tggntgatgt     120
gg.                                                                   122

      <210> 726
      <211> 477
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(477)
      <223> n = A,T,C or G

      <400> 726
ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac      60
ctttgcacgg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct     120
aatactcctg atgctagagg tgatgctttt ggtaaacagg cggggtaaga tttgccgagt     180
tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg     240
taataatgac ttgttggtga ttgtanatat tgggctgtta attgtcagtt cagtgtttta     300
atctgaccca gccttatgcg gaggagaatg ttttcatgtt acctatacta acattagttc     360
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat     420
tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggcggctgc ttttagg        477

      <210> 727
      <211> 416
      <212> DNA
      <213> Homo sapien

      <400> 727
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca      60
ctgaaaaatt ctaggaagcc ttatttcccc ttatattttt atggtacttt caacacttaa     120
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcttttct     180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt     240
caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa     300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa     360
```

```
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg         416

      <210> 728
      <211> 416
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(416)
      <223> n = A,T,C or G

      <400> 728
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca      60
ctgaaaaatt ctgggaaagc ttatttttcc ttatattttt atggtacttt caacacttaa     120
taacactatt tcaattaagt ttctcctag agtttatagt atatcagtac attctttttct     180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt     240
caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa     300
cttacagggg aaattgttct aaaactgagg aacatgaagt aactgtactg cacactccaa     360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata ntctgg         416

      <210> 729
      <211> 564
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(564)
      <223> n = A,T,C or G

      <400> 729
ctgtgagtag aggagtcttc ccgagagtag cagttgttga tccaaatgat tgaagccttc      60
aggtaagggg atacctgctg caggaatttt ttcttgaaaa atttaagctg tttggtaaga     120
attctgtaac tacatacctt tgaaacacta ttcacattca aataaacgct tgttttctag     180
ccagggcaag gctcaattag tttttcaaac tctagccaag gcagtatttc atttgggaaa     240
tcatgcaaca gaactgctca attcttaact tctcctgctg ttaacattta cacttagact     300
gccagcaaca gttaacttaa attttggtct caagggaaca aaaaaaaatt gcattcagaa     360
tttaatatag tattttaaaa ctaattttag cctgtaagnc attatgagca atagtaactt     420
ttatacctcc tcatcttgnc tgataatata ttctatatgc tgncaatctg attatatagt     480
ctatatccta gaagttgctg attttcattc tgccaccaaa aaaaactgtc cttttttttt     540
tatgggggaa aaagggaatt taaa                                            564

      <210> 730
      <211> 310
      <212> DNA
      <213> Homo sapien

      <400> 730
ccattttaat ttcttcttca gagaagtgtt tatttaggtc tgttgcccat tttacaatta      60
ggccatatgt tttcttgctg ttgagttgta tgtgtgtttg tataaatttt gcatattaac     120
cccttatcac acgtatgttt tttaaaataa atttgcttta ttaatctttt atcagatgta     180
tggtttccaa atatattctt ccgatccatg gattctcttt tttgttatga ttgtttcttt     240
gctcttcgga agctttttgt tttgttttgt tatttgtttt actttgatat agtcccattt     300
attgtttttg                                                            310
```

<210> 731
<211> 467
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 731
ngacaacctt agcccaacca tttacccaaa taaagtatag gcgatagaaa ttgaaacctg 60
gcgcaataga tatagtaccg caagggaaag atgaaaaatt ataaccaagc ataataaagc 120
aaggactaac cctataccct tctgcataat gaattaacta gaaataactt tgcaaggaga 180
gccaaagcta agacccccga aaccagacga gctacctaag aacagctaaa agagcacacc 240
cgtctatgta gcaaaatagn gggaagattt ataggnagag gcgacaaacc taccgagcct 300
ggtgatagct ggttgtccaa gatagaatct tagntcaact ttaaatttgc ccacagaacc 360
ctctaaatcc ccttgtaaat ttaactgnta gnccaaagag gaacagntct ttggacacta 420
ggaaaaaacc ttgtagagag agtaaaaaat ttaacaccca tagtagg 467

<210> 732
<211> 492
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 732
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagctaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctataaa tcttcccact attttgctac ctagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggnttcg gggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agnccttgct atattatgct 360
tggntataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtgaggcgg 480
agnggggttg gg 492

<210> 733
<211> 562
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 733
ntgaaatggc aatagcattc actgtcgtat tttgcagtgc tcaggaagtg ggacgttaac 60
tttgaaggtg cttgtttgta ttagctctgc taggtttacc tctacaacgt agatttcagc 120

```
agctatgctg actgacacta cattctagtt cttaagattt tttttccana tccccccttc      180
cccagctaga catacgtagc atactttcat cttattcagc cttttctgtaa cctgctgctg     240
cttttagtcc tcctcacctc agatcggaat caatggagtg ggcccagagg atacatttta      300
attccagtaa tggtaggtag atttgtcctg cttttctaaaa catctccctca tttcatattt    360
ccactccata ttgattccat aagggaaaat taatgggtgn ttcctccttt agggaggcaa      420
[illegible] [illegible] [illegible] [illegible] attgatttcc cttgaaggag  480
cttacatatt gactgtnttt cacaataacc tgnttgcccc agntcaatcc ctcattttaa      540
tacttaatgt tggtnctggg ct                                               562

      <210> 734
      <211> 265
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(265)
      <223> n = A,T,C or G

      <400> 734
nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt      60
gactttttct gtagcctatg ggagtggaca gagtgggtaa ccccagatgt ttttaagact     120
gactggacta agaatggcgt actttatagcc aactacttcc cccctaatgt gactgaaggg     180
attcataatg atcacaatta gcattacggt taagtatttt agggttgacg tctaagctca     240
cacttgaaag gtatttatct aatgg                                           265

      <210> 735
      <211> 216
      <212> DNA
      <213> Homo sapien

      <400> 735
atttaatacg tgcttcactac tcggcacgcg ctaaagctac agttaacaat cagtgagcac    60
atattaaatg ataaaataat gctgatggta aacattcata acagcagagt aagattttgg     120
cagtttttgtg tctcggtaac ataactgtaa ccttagatga acacctatcc cttcatgatc    180
tgactttaga ggcaaggagt ttgtaacatc taatgg                               216

      <210> 736
      <211> 265
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(265)
      <223> n = A,T,C or G

      <400> 736
ctgaaaggca acntggagac tagttagtct agtcccctca tattataaat tggcatgctg     60
aggccaggca gtaaattgct atggagctct cccatttaag gccagtttga ctccaagggt    120
agggctttcta gtaaaatttt gtgattaaat tggaaactct aatttatttt tctatgngtt   180
tttggtacct aatcctcata agcaagccat atttcaaggc tgatcaatga aaacaccaaa    240
taccaaagct tcctttccct tccaaattta ctgacccttt gtcag                     265

      <210> 737
```

```
<211> 509
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 737
agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca    60
aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat   120
aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga   180
cagttggaat tcagaggcct tctatttgtc ccacgacctg ctccttttga tctgtttgaa   240
aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac   300
tgnagggagc taatccctga atatctgaac ttcattagag gggtggnaga ctcggaggat   360
ctccctctaa acatatcccg tgagatgctg caacaaagca aaattttgaa agttatcang   420
aagaatttgg gtcaaaaaat gcttanaact ctttactgaa ctggcggaag atnaagagaa   420
ctncaagana ttctatgagc agntctctt                                     509

<210> 738
<211> 97
<212> DNA
<213> Homo sapien

<400> 738
cagtgaattg aatacgactc ctatagggcg aattgggccc tctagatgca tgctcgagcg    60
gccgccagtg tgatggatat ctgcagaatt cgccctt                              97

<210> 739
<211> 209
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G

<400> 739
ccgncagtgt gatggatatc tgcagaattc gcccttagcg gccgcccggg gcagggtcct    60
tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaatttcag   120
atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatttttt   180
aaatcctgag gactagcatt aattgacgg                                     209

<210> 740
<211> 164
<212> DNA
<213> Homo sapien

<400> 740
ccaagctaat gggtgacact gtgaatgcaa ctctaatgca gcctggcgta aatggtccta    60
tgggcactaa ctttcaagct aacacaaaca gaggaggtgg tgtgtgggaa tctggtgcag   170
caaactccca gagtacatca tggggaagtg gaaatggcgc aaat                    164
```

```
<210> 741
<211> 514
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 741
ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg      60
gaagaaaaag aagataaggt gnttcattaa taatctttta tattgattac atgttgaaat     120
gatattttta atatactggg ttacataaac tgttattaag attaattttg cttgtttctt     180
ttttaatatg gctactagaa aattaaaaat tatgttgtgg ttcacattat atttctgttg     240
aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatac     300
ttttaagcac tctggggtac taacttgaac tcccagaaac ccataagcac actctgcata     360
taaattattg caaaattcat tcttatctct ctgaaagata tgcattttaa gggtaaaaag     420
aattcacaaa atattgantc cttaacaaat gtcaattagt atatggagag agctaaagga     480
cttcntgtag actggtncat tggggaaaaa caga                                 514

<210> 742
<211> 439
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 742
gcaggtccta tgcatagtta ataagggnta taatctactc aacatggaaa atgggagcct      60
atttgcaaac acacgagtaa ttaaagtacc aattctctct tagtttcttt ttttatagtt     120
ggnttatttt gcaattataa atgntaaaca tccctagaga tgaaagttaa aatggctgat     180
cacagatcag tagcaaaata caaattgaca attcaaaatt ataaataaaa ctctgttgag     240
gatgtttaac tttgagcctc caaatttaag agctaagctt ggaagaaaca aatttatagg     300
ttatatttcc ctcttaaatt aaaaaacaaa cttcctctgg cagtagnttg tgaattcctt     360
tcattgnaat gataccatga ttacaggatc aaaaatgctt aacttacttg ccattctgct     420
cacatcatca cagttgttt                                                  439

<210> 743
<211> 275
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 743
cangacgcta cttcccctat catagaagag cttatcacct ttcatgatca cgccctcata      60
gtcattttcc ttatctgctc cctagtcctg tatgcccttt tcctaacact cacaacaaaa     120
ctaactaata ctaacatctc agacgctcag gaaatagaaa ccgtctgaac tatcctgccc     180
```

gccatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat aacagacgag 240
gtcaacgatc cctcccttac catcaaatca attgg 275

<210> 744
<211> 295
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 744
ctgtcctttt aaaaaatctg gatgtttttt atttagtgat tgttcgacaa ttagctgctt 60
caaaacataa tctgcattgc ttatgaatgc cttcatatac taatacagat actctgataa 120
tattacactc taataaggat aatgctgaat tttgaaagga cacaaaacat ctaatgccaa 180
tatatacatg attagccaac atctttgcta tcaagaccac tcgtctttaa ataaagatgc 240
aagtgtcagt tgtagattat tgggatgaag ctaaatcccc agaatgcagc agcag 295

<210> 745
<211> 477
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 745
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacatgg atgccacaca taacttcctt tgtagtttca 120
cagagagcct atttgtggtt gctcaggtgg ggtcatacat tgcttgcaga aatggcctga 180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatccc tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca 360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtanggattc agtaatcaaa ggttgttatt gcaaaagagc caggcag 477

<210> 746
<211> 524
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 746
ctgtgaaatt gggttgggag agccaaaata ctttacaact tcagaccgga gaaaaggcca 60
gagctgtgaa gttagactct atgatgaaac agagtcctct tttgcgatga catgttggga 120
taatgaatcc attctacttg cacagagctg gatgccacga gaaacagtaa tatttgcctc 180
agatgtaaga ataaattttg acaaatttcg gaactgcatg acagcaactg taatctcaaa 240

```
aaccattatt acaactaatc cagatatacc aggagctaac attctgctga attttacacg      300
agaaaataaa gaaacaaatg ttctggatga tgaaattgac agttatttca aagaatccat      360
aaatttaagt acaatagttg atgtctacac agntgaacaa ttaaagggaa aagctttgaa      420
gaatgaagga aaagctgatc cttcctatgg catcctttat gcctacattt ccacactcaa      480
cattgatgat gaaactcaaa agtagttcga aatagatgtt ccag                       524

        <210> 747
        <211> 456
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(456)
        <223> n = A,T,C or G

        <400> 747
cctcagttct tgatttgtggt tgacggggcg tcaccatgaa gggagcccatt tagtataaag      60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg     120
ggagtttccg atgccagagg atgaaagcaa gtgctttctc caccctctcc tcccagagtg     180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc tttcagtga      240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt     300
tcagtgctct gaattcaact gacagactaa agggtgtttc ctgtaacagt ctgaaatctt     360
aagtgttttt ttcgttttgt ttttaaatct tatttcagaa aacttcctct nggggtagga     420
aagtacacat gaagcagcaa agtaacgaag aaaaac                              456

        <210> 748
        <211> 474
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(474)
        <223> n = A,T,C or G

        <400> 748
ccanaccagg gaaccaaatg cagacagnga agttctctgc ttctttttggc tataatgnga     60
caagaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca     120
gtcaaataat caattaatgg aataaataag tactaacccc cattttaacc actctgtaat     180
cactacactt tacatatttt ttatttnggn ggcaaantcc cccataatta gtctaaaatc     240
caccaatcac ttttaaaagt aaaatgaata gccaccaaac taagaaaatc ttctgttcac     300
tcttttggcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa   360
cactggtgat aaaagaaact ttttttttac aagtaaaata aagttatcaa tttaaatctt     420
ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag          474

        <210> 749
        <211> 355
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(355)
        <223> n = A,T,C or G
```

```
        <400> 749
cctgggtnns gnggctgact gnaacctcca cttcctgttc tcaggcaatc ctcctgcctc      60
agcctcctta gtagctggga ctacaggagt gtgccaccat gcccaactaa tttttgtatt     120
tttaatagag acagggtttc accatgttga tcaggttggt ctccaactcc tgacctcagg     180
tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgcccg     240
gnccaggata aagtaaaaat ttgtaagcac acaaggccct ttgcaacctg gctcctggtt     300
actactttaa ncctcctgcc ctcccaaatg tnctcactgt ttttctanac atacc          355

        <210> 750
        <211> 493
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(493)
        <223> n = A,T,C or G

        <400> 750
ccatgctggt ctcgaactcc tgaactcagg tgatccaccc gcctcagtct cccaatagat      60
tacatatatt attaatgaat tgcttccttt aacaccctat tcattgaatt ttccagtaaa     120
ccacaattac taattactcc tgaaatcaga aaagaggtta aaaagatttt ataacagtat     180
cctatgaaat ctactacttt caagtaatag tagttgaatt acaaaaaccc gtcactcaag     240
ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaactat     300
atttgcatct gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag     360
agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagctcttt     420
gtatgctggt aactaatttt aatttcctac attnttatgg agatttctgc tattcttgtc     480
ctattttcca cct                                                        493

        <210> 751
        <211> 364
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(364)
        <223> n = A,T,C or G

        <400> 751
cgaggtctgg naaggtcacc aagtctgccc aganagctca gaaggctaaa tgaatattat      60
ccctaatacc tgccacccca ctcttaatca gtggtggaag aacggtctca gaactgtttg     120
tttcaattgg ccatttaagt ttagtagtaa aagactggtt aatgataaca atgcatcgta     180
aaaccttcag aaggaaagga gaatgttttg nggaccactt tggttttctt ttttgcgtgt     240
ggcagtttta agtattaagt ttttaaaatc agtacttttt aatggaaaca acttgaccaa     300
aaatttgtca cagaattttg agacccatta aaaaagttaa atgagataaa aaaaaaaaan     360
cntg                                                                  364

        <210> 752
        <211> 498
        <212> DNA
        <213> Homo sapien

        <220>
```

<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 752
ttggattaag ggtgg[illegible] [illegible] tagaatcgat acaggcatan ctatgatgca 60
gtgaatccct tagaagttac aattctcaaa ttacatactt cctcagatgt aacattagaa 120
ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta 180
acttgtagcc tcagtaatat gacatacttg cctttaacaa attatctcaa attaactaac 240
agaccttcag aaaatggaga ttctttttga tggggacata atcaaattta agtctgagaa 300
atatgcttaa cagttggaac tcaaattaaa tgtactgatt ttaaagttta gacattaaca 360
agtgatanat tagcctcaaa aaaagacaat ttggnaaggn ttaggtcttt taatttggtg 420
cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa 480
ttctattttc agtaaatg 498

<210> 753
<211> 467
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 753
nacaaccttc gccanaacca tttacccaaa taaagggata ggcgatagaa attgaaacct 60
ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag 120
caaggactaa cccctatacc ttctgcataa tgaattaact agaaataact ttgcaaggag 180
agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac 240
ccgtctatgt agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc 300
tggtgatagc tgnntgncca agatagaatc ttagntcaac tttaattttg cccacagaac 360
cctctaaatc cccttgtaaa tttaactgtt agtccaaaga ggaacagctc ttggacacna 420
ggaaaaaacc ttgcagaaag agtaaaaaat ttaacaccca tagtagg 467

<210> 754
<211> 196
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A,T,C or G

<400> 754
gtcatgttca agtgttntaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta 60
cttatactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt 120
tcagttatat gtttgggatt ttttaggcag tgggtgttga gcttgaacgc tttcttaatt 180
ggtggctgct tttagg 196

<210> 755
<211> 381
<212> DNA
<213> Homo sapien

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<400> 755
ctggaaagga ttctgtacat ataagacatc aaatattgag ggatactgga acttttaaat      60
taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta     120
caaaaaaaaa gtttaaaatt tttcttggcc ccagtcttat catttctgag ccaaatacaa     180
ttctatcgaa atcacctgaa actgaaatca ccattctagg ctggttttcc cataaagatg     240
gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt     300
cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg     360
tgataataaa gtaatgaccg c                                               381

<210> 756
<211> 341
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 756
ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtatttgtac      60
atctttatta tctctaaagc actttcctca acctaatttc agtttttaca attggtactc     120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa     180
ggccacctca tttgaaatca catatagacc aggcgcggtg gctcacgcct gtaatcccaa     240
cactttggaa ggccaaggca ggtggatcac aaggtcaaga gattgagacc atcttggcca     300
acatggcgaa accccgtctc taccaaaaat acaaaaatca g                         341

<210> 757
<211> 479
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 757
cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa      60
ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc     120
acagagagcc tatttgtggt tgctcaggtg gggtcataca ttgcttgcag aaatggcctg     180
atcatagctc tatgaaacaa tgaattcgga atgaaatctt accatgacac ctctctgtag     240
gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tatttatata     300
cagagaatca ctctcaaatt taacccaaga taagcaatag gatttggggg tgacttgtnc     360
acatttctaa caacactttt cttttttcta gaggtcactc tcaaacactg atatatcact     420
atagnttgag ngtagggatt caagtaatca aaggttgtta ttgcaaaaga gccaggcag      479

<210> 758
<211> 267
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
```

<222> (1)...(267)
<223> n = A,T,C or G

<400> 758
ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgagg cagggagtcg 60
aggaggatag ttgaggaaat aaaaaagatt aaggataata gtataagaga taaggttagt 120
cctttagtgt tgtgtatggc tatcatttgt tttgagggtta gtttgactag tcattgttgg 180
gtggtaatta gtcggttgtt gatgagatat ttggaggtgg ggatcaatag agggggaaat 240
aggatgatca gtactgcggc gggtagg 267

<210> 759
<211> 449
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 759
cgaggtcttg aaatcagcaa cacacttaca aatgagaaaa tgaaaataga agagtatata 60
aagaaaggga aagaggatta tgaagagagt catcagagag ctgtggctgc agaggtatcc 120
gtacttgaaa actggaagga gagtgaagtg tataagctac agatcatgga gtcacaagca 180
gaagcctttc tgaagaagct ggggctgatt agccgtgatc ctgcagcata tcccgacatg 240
gagtctgata tacgttcatg ggaattgttt ctttctaatg ttacaaaaga aattgagaaa 300
gcaaagtctc agtttgaaga acaaattaag gcaattaaaa atggttcccg gctcagtgaa 360
ctttctaaag ngcagatttc tgagctttca tttcctgcct gtaacacggt tcatcccgag 420
ttactccctg agtcttcagg ccacgatgg 449

<210> 760
<211> 414
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 760
ccatnaactg gaagcagctc actaaacaaa cagnggcata cccatagaac tggatacttc 60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa 120
atgcccacatg aagaancccca agggggagaa acataaaaac tttatatgnc agncatataa 180
aattctagaa aatgcaaact aatccatcnt aaaggaaagt aaatcancag ttgtctggag 240
gaccanagag agcaggagga gagagattnt taanggggtt aaagtaaatt ngggagtgcc 300
ctttcatttt taaatnctat gaaaatgaaa gtaaaggccc ntgcatgttg taaactaata 360
gtaacaaaca gattgggttg gagtggggtg ttgtctgggg acatcattac aaan 414

<210> 761
<211> 429
<212> DNA
<213> Homo sapien

<400> 761

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gagcctcact aaaataacag atttcagtat agccaagttc atcagaaaga ctcaaatgga      60
atgatttaca agatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc     120
tatcagtcat aacacaattt cgcgtacacc tctgctcatt atggaattac acttaaaacg     180
aatctcaaga gggtgaccat tgttgtttca gataccatcc ctaaggagag tggttaacag     240
gaagattgcc agtgttactg atggaaagaa gtgtttgttt gttttttttc ttgtcaaaga     300
cttacaccat agttttaaat taaactgtca ggcattttct cagacaggtt ttccttttca     360
atgcagtaat gaagaactaa gataaaaatc atgacttttg actgccactc aacattatta     420
catgcacc                                                              428

      <210> 762
      <211> 574
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(574)
      <223> n = A,T,C or G

      <400> 762
caggtctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga      60
gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc     120
ctctgaattt accacatgta acatcacaga gacatgtaga gttcctttag gatttgcgat     180
ttgaaccagn ccagtctgat tttcaggtga attcctgtga gagcttgatg ggggaagtct     240
gaagacagaa ggaattaggg aaaagggtga tacttacagc gtaaaggaaa taaatgaaaa     300
gataatggta ttttcggtag ccacagggaa atagcaggag gggactggag atcacacaca     360
cgcacacgca cacacacaaa cacacacaca cgctaaaact caaactaaaa acctcccaaa     420
ggagctgctt tgtttgcaga cttcaattng aagtagatac taagggcaag aatagaccag     480
ttaaaattca cctgaaaatc tcttcccann cttcaaatgt gctaaaatat cactgtcagc     540
ttagcatctc tncatgtatg tatatataga tgta                                 574

      <210> 763
      <211> 465
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(465)
      <223> n = A,T,C or G

      <400> 763
cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttccta gtgtccaaag      60
agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgngggc     120
aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccac gctcggtagg     180
tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt     240
tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa     300
gttctttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc     360
ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ngtttcaatt     420
tctatcgcct atactttatt tgggtaaatg gtttggctaa ggctg                     465

      <210> 764
      <211> 151
      <212> DNA
      <213> Homo sapien
```

<400> 764
ctgtcaatta atgctagtcc tcaggattta aaaaataatc ttaactcaaa gtccaatgca 60
aaaacattca gttggtaatt actcttgatc ttgaattact tccgttacga aagtccttca 120
catttttcaa actaagctac tatatttaag g 151

<210> 765
<211> 251
<212> DNA
<213> Homo sapien

<400> 765
gaagagctta tcacctttca tgatcacgcc ctcatagtca ttttccttat ctgcttccta 60
gtcctgtatg cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac 120
gctcaggaaa tagtaaccgt ctgaactatc ctgcccgcca tcatcctagt cctcatcgcc 180
ctcccatccc tacgcatcct ttacataaca gacgaggtca acgatccctc ccttaccatc 240
aaatcaattg g 251

<210> 766
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 766
cgaggtctgn cctcctggtt cttcatccat tattaacaga agagcatact ggtttcggtc 60
cataaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat 120
tttaatttct ggctttccta tcttcttctt caggatagct tccttcagca tagaattgtt 180
ttccaatata aaatattttg ctgggttgtc cgtactatgt aggctgacca ctgggaccct 240
tggaccttca cagaataata agaaatgttg attcatggga ctaaaactgg catcaaaata 300
tgtacattgt tctttcatga aattacatga aatgcattgg cgattcaata atccttcagt 360
agaagcactg tacag 375

<210> 767
<211> 485
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 767
cgaggtctga accctcgtgg agccattcat acaggtccct aattaaggaa caagtgatta 60
tgctaccttn gcacggttag ggtacccggg cccgttaaac atgtgtcact gggcaggcgg 120
tgcctctaat actggtgatg ctagaggtga tgtttttggn aaacaggcgg ggtaagattt 180
gccgagttcc tttcactttt tttaaccttt ccttatgagc atgcctctgt tgggttgaca 240
gtgagggtaa taatgacttg ttggtgattg tagatattgg gctgttaatt gtcagttcag 300
tgttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tatactaaca 360
ttagttcttc tatagggtga tagatnggtc caattgggtg tgaggagctc acttatatgt 420

```
ttgggatttt ttaggtaagn gggtgttgag cttgaacgct ttcttaattg gggctgctt      480
ttang                                                                 485

       <210> 768
       <211> 379
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(379)
       <223> n = A,T,C or G

       <400> 768
ctgatattct attaaagata caaagaggag ctggnaccat ttcttctgaa actattacaa       60
acaactgaaa aggtggaatt tctccctaat tcattttagg aggccagcat tatactgata      120
ccaaaacctg gcagaggtac aataataaaa ggaaacttca agtcagtatc actgatgaac      180
accaatgtga aaatcctcaa taaaatactg gcaaactgaa ttcagcagca catcaaaaag      240
ctaatccacc acaatcaagt cagcttcatc cctgcgatgc aagtctggtt caacatatgc      300
aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc      360
tcaatagatg cagaaaagg                                                   379

       <210> 769
       <211> 518
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(518)
       <223> n = A,T,C or G

       <400> 769
cgaggtccat atgatgatca gtctatatag tttaaggcgc agatacacaa attttcaaaa       60
atatgggtag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcactggagg      120
gaggctttat tgtttgtcaa aacatgttgc catcactttt tgctttaagc ccttggtggt      180
gaaataactc aaaccattct tccttatgct gaagatcgag aaccccaagt atcacatcta      240
ccatcccact catcaatgtg attggtcagt ctttgctgag gacctgcata gccagtttta      300
aagttagagt tcttgcatat acatatgaaa aggcatgtta cttgtgcttt caaagagctt      360
tttgcttggt gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atggtggtag      420
tttcatcgag atgatggnaa agaattgata agataaagcn gaaagatgag cagaattttc      480
agattgggtn tggaaagagc acttaagaaa gagggtgg                              518

       <210> 770
       <211> 378
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(378)
       <223> n = A,T,C or G

       <400> 770
tatgggtcct gagtgtggaa tataagataa caagacaatt cccttgcttt caagggaaat       60
```

cacactttat aaaactttga attcttgaaa tgggtttcag aggttccaag gtcaaattca 120
agaataagag ttaagaagaa aaagactatg agaaaggaag tgntgacccc atttgcattt 180
aaatggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atatttttga 240
gatattgcaa cttgctctct ctctttgcca cccccccctt tgncatgctc tgtttttggg 300
ctgaattggc aagaaaaatg gctggagggc tggaagaagn tggacccttc ttccttcttc 360
[illegible] 378

<210> 771
<211> 207
<212> DNA
<213> Homo sapien

<400> 771
cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctcaca 60
cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
ctttgccgcc tgcgaagcag cggtagg 207

<210> 772
<211> 384
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 772
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaaggggg tttagagggt tctgngggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc taccctataa tctttccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tccc 384

<210> 773
<211> 182
<212> DNA
<213> Homo sapien

<400> 773
cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac gctcagggaa 60
atagaaaccg tctgaactat cctgcccgcc atcatcctag tcctcatcgc cctcccatcc 120
ctacgcatcc tttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt 180
gg 182

<210> 774
<211> 191
<212> DNA
<213> Homo sapien

<400> 774
ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgagg caggagtccg 60

aggaggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcaggttcgt 120
cctttagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgattag tcattgttgg 180
gtggtaatta g 191

<210> 775
<211> 192
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(192)
<223> n - A,T,C or G

<400> 775
ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtccg 60
angaggttag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt 120
cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg 180
ggtggtaatt aa 192

<210> 776
<211> 144
<212> DNA
<213> Homo sapien

<400> 776
ctgaccccct agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt 60
ggtctgttct ctcccattac acataggttt gtctcagcat gcaagagttt ttcctttaaa 120
aaaaaaaaaa aaaaaaaaaa aaaa 144

<210> 777
<211> 483
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(483)
<223> n - A,T,C or G

<400> 777
cctactatgg gtgntaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaagtt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggnt aagtccttgc tatattatgc 360
ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt 420
tctgccgcct atactttatt tgggtaaatg gtttggctaa ngttgctggt agaaggtgga 480
gtg 483

<210> 778
<211> 393
<212> DNA
<213> Homo sapien

```
<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 778
ctgcattttt attgcgatct gcagatgaac tgggaaaatc tcattttaca acagaactga      60
gacagacgac caccatattc actgaggtct aaatttgcag tttccactaa tgacattttg     120
atttcccaac agagatactt ctggtcttac tgcacagtct tttaagagaa atacttccat     180
tatgccacat tgtccttgat ccgtaagtga tgtgttaagg tgcttcaaag gaactctgac     240
ctctgaagta cttgagctac tttagtatgt ccagcctatt gctttttgtt ttagngngtc     300
accataaata tcagggccat aaaaggctat ctattcttaa ttcaaggata aaacagaaga     360
agcttgtggn ataaaacaat agtcaagatc cag                                  393

<210> 779
<211> 277
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 779
cctnttgatt tgatgggtaa ggggagggat cgttgacctc gtctgttatg taaaggatgc      60
gtagggatgg gagggcgatg aggactagga tgatggcggg caggatagtt cagacggttt     120
ctatttcctg agcgtctgag atgttagtat tagttagttt tgttgtgagt gttaggaaaa     180
gggcatacag gactaggaag cagataagga aaatgactat gagggcgtga tcatgaaagg     240
tgataagctc ttctatgata ggggaagtag cgtcttg                              277

<210> 780
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 780
catgntatgg ataaccatnt taactgtatt ttntgcancc cgtaccttct tgggaataca      60
attgtctaac tttttatttt tggnctggct gttgtggtgt gcaaaactcc gtacattgct     120
attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgtc atcaattatg     180
actaccctaa ctcctcagag gattatattc atcgaattgg aagaactgct cgcagtacca     240
aaacaggcac agcatacact ttctttacac ctaataacat aaagcagggg agcgacctta     300
tctctgtgct tcgggaagct aancaaac                                        328

<210> 781
<211> 305
<212> DNA
<213> Homo sapien
```

```
      <220>
      <221> misc_feature
      <222> (1)...(305)
      <223> n = A,T,C or G

      <400> 781
ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag      60
gagttattgt gcagngtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg     120
tacccaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat     180
cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtgaggtt tggctantgc     240
tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa     300
gacag                                                                 305

      <210> 782
      <211> 497
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(497)
      <223> n = A,T,C or G

      <400> 782
cgaggtggct ttaattgatg ttaatgcctt atgtcaaatg taaagttaga atttgctagg      60
gctgggatag ggagtgatat ttctaggact tagacattga aaactaattc agcctgtagt     120
aacctggatg gtttcaaatg gcatggttag tcaaattcat ggctttaaac ttagaagcag     180
cttttggggg agagggtagg ttggagcatt tattacatat tttactgttt aatgtcttaa     240
ccgtgggcct tttaatttgt aaacactgaa atgattgttg ggctgtggaa aacatttacc     300
tatttacctt ggaagtttta aaagacagtc cactttttag catgtgtgtt gcgtccagcc     360
tgtggtcgtc ttaactaata aatgngattt ttctctcaaa aaaaaaacct ccccgggcgg     420
ccgctcaagg gcnaattccc cacactggcg gccgttacta ggggatccga nctcggtcca     480
agcttggcgt aatcatg                                                    497

      <210> 783
      <211> 364
      <212> PRT
      <213> Homo sapien

      <400> 783
Met Trp Gln Pro Leu Phe Phe Lys Trp Leu Leu Ser Cys Cys Pro Gly
 1               5                  10                  15
Ser Ser Gln Ile Ala Ala Ala Ala Ser Thr Gln Pro Glu Asp Asp Ile
            20                  25                  30
Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp
        35                  40                  45
Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His
    50                  55                  60
Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys
65                  70                  75                  80
Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr
                85                  90                  95
Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
            100                 105                 110
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
```

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        115                 120                 125
Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu
    130                 135                 140
Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro
145                 150                 155                 160
Val Ser Val Lys Pro Gly Glu Thr Val Ile Pro Lys Asp Glu Asn Gly
                165                 170                 175
Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met
            180                 185                 190
Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
        195                 200                 205
Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys
    210                 215                 220
Tyr Lys Pro Val Cys Asn Gln Val Glu Cys His Pro Tyr Phe Asn Gln
225                 230                 235                 240
Arg Lys Leu Leu Asp Phe Cys Lys Ser Lys Asp Ile Val Leu Val Ala
                245                 250                 255
Tyr Ser Ala Leu Gly Ser His Arg Glu Glu Pro Trp Val Asp Pro Asn
            260                 265                 270
Ser Pro Val Leu Leu Glu Asp Pro Val Leu Cys Ala Leu Ala Lys Lys
        275                 280                 285
His Lys Arg Thr Pro Ala Leu Ile Ala Leu Arg Tyr Gln Leu Gln Arg
    290                 295                 300
Gly Val Val Val Leu Ala Lys Ser Tyr Asn Glu Gln Arg Ile Arg Gln
305                 310                 315                 320
Asn Val Gln Val Phe Glu Phe Gln Leu Thr Ser Glu Glu Met Lys Ala
                325                 330                 335
Ile Asp Gly Leu Asn Arg Asn Val Arg Tyr Leu Thr Leu Asp Ile Phe
            340                 345                 350
Ala Gly Pro Pro Asn Tyr Pro Phe Ser Asp Glu Tyr
        355                 360
```

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<210> 784
<211> 6353
<212> DNA
<213> Homo sapien

<400> 784
tggcgaatgg gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg      60
cagcgtgacc gctacacttg ccagcgccct agcgcccgct cctttcgctt tcttcccttc     120
ctttctcgcc acgttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg     180
gttccgattt agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc     240
acgtagtggg ccatcgccct gatagacggt ttttcgccct ttgacgttgg agtccacgtt     300
ctttaatagt ggactcttgt tccaaactgg aacaacactc aaccctatct cggtctattc     360
ttttgattta taagggattt tgccgatttc ggcctattgg ttaaaaaatg agctgattta     420
acaaaaattt aacgcgaatt ttaacaaaat attaacgttt acaatttcag gtggcacttt     480
tcggggaaat gtgcgcggaa cccctatttg tttatttttc taaatacatt caaatatgta     540
tccgctcatg aattaattct tagaaaaact catcgagcat caaatgaaac tgcaatttat     600
tcatatcagg attatcaata ccatattttt gaaaaagccg tttctgtaat gaaggagaaa     660
actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg attccgactc     720
gtccaacatc aatacaacct attaatttcc cctcgtcaaa aataaggtta tcaagtgaga     780
aatcaccatg agtgacgact gaatccggtg agaatggcaa aagtttatgc atttctttcc     840
agacttgttc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaac     900
cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac     960
aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat    1020
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```
tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgcag     1080
tggtgagtaa ccatgcatca tcaggagtac ggataaaatg cttgatggtc ggaagaggca     1140
taaattccgt cagccagttt agtctgacca tctcatctgt aacatcattg gcaacgctac     1200
ctttgccatg tttcagaaac aactctggcg catcgggctt cccatacaat cgatagattg     1260
tcgcacctga ttgcccgaca ttatcgcgag cccatttata cccatataaa tcagcatcca     1320
tgttggaatt taatcgcggc ctagagcaag acgtttcccg ttgaatatgg ctcataacac     1380
cccttgtatt actgtttatg taagcagaca gttttattgt tcatgaccaa aatcccttaa     1440
cgtgagtttt cgttccactg agcgtcagac cccgtagaaa agatcaaagg atcttcttga     1500
gatccttttt ttctgcgcgt aatctgctgc ttgcaaacaa aaaaaccacc gctaccagcg     1560
gtggtttgtt tgccggatca agagctacca actctttttc cgaaggtaac tggcttcagc     1620
agagcgcaga taccaaatac tgtccttcta gtgtagccgt agttaggcca ccacttcaag     1680
aactctgtag caccgcctac atacctcgct ctgctaatcc tgttaccagt ggctgctgcc     1740
agtggcgata agtcgtgtct taccgggttg gactcaagac gatagttacc ggataaggcg     1800
cagcggtcgg gctgaacggg gggttcgtgc acacagccca gcttggagcg aacgacctac     1860
accgaactga gatacctaca gcgtgagcta tgagaaagcg ccacgcttcc cgaagggaga     1920
aaggcggaca ggtatccggt aagcggcagg gtcggaacag gagagcgcac gagggagctt     1980
ccagggggaa acgcctggta tctttatagt cctgtcgggt ttcgccacct ctgacttgag     2040
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<211> 5502
<212> DNA
<213> Homo sapien

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<211> 108
<212> PRT
<213> Homo sapiens

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Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
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Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
    50                  55                  60
Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
65                  70                  75                  80
Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
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Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
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<210> 787
<211> 152
<212> PRT
<213> Homo sapiens

<400> 787
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Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
        35                  40                  45
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
    50                  55                  60
Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
65                  70                  75                  80
Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
                85                  90                  95
Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
            100                 105                 110
Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
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Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
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<210> 788
<211> 1633
<212> DNA
<213> Homo sapiens

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<211> 200
<212> PRT
<213> Homo sapien

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        35                  40                  45
Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
    50                  55                  60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
65                  70                  75                  80
Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
                85                  90                  95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
            100                 105                 110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
        115                 120                 125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
    130                 135                 140
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
145                 150                 155                 160
Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
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Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu Glu
            180                 185                 190
Glu Glu Glu Glu Glu Glu Asp Glu
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<210> 790
<211> 457
<212> DNA
<213> Homo sapiens

<400> 790
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tcccaggagc ccagtaatgg agagccccaa aaagaagaac cagcagctga aagtcgggat 180
cctacacctg ggcagcagac agaagaagat caggatacag ctgagatccc agtgcggcac 240
atggaaggtg atctgcaaga gctgcatcag tcaaacaccg gggataaatc tggatttggg 300
ttccggcgtc aaggtgaaga taatacctaa agaggaacac tgtaaaatgc cagaagcagg 360
tgaagagcaa ccacaagttt aaatgaagac aagctgaaac aacgcaagct ggttttatat 420
tagatatttg acttaaacta tctcaataaa gttttgc                          457


<210> 791
<211> 126
<212> PRT
<213> Homo sapiens
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<400> 791
Ser Pro Val Leu Gly Thr Arg Arg Ser Cys Glu Pro Ala Thr Arg Val
                5                   10                  15

Pro Glu Val Trp Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr
            20                  25                  30

Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser
        35                  40                  45

Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly
    50                  55                  60

Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
65                  70                  75                  80

Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
                85                  90                  95

Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu
            100                 105                 110

His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
        115                 120                 125

<210> 792
<211> 461
<212> DNA
<213> Homo sapiens

<400> 792
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aggcacgggg gacacacaca aacacagaac cacacagcca gtccccggag cccagtaatg 120
gagagcccca aaaagaagaa ccagcagctg aaagtcggga tcctacacct gggcagcaga 180
cagaagaaga tcaggctaca gctgagatcc caggtgctgg gaagggaaat gcgcgacctg 240
gaaggtgatc tgcaagagct gcatcagtca aacaccgggg ataaatctgg atttgggttc 300
cggcgtcaag gtgaaggtaa tacctaaaga ggaacactgt aaaatgccag aagcaggtga 360
agagcaacca caagtttaaa tgaagacaag ctgaaacaac gcaagctggt tttatattag 420
atatttgact taaactatct caataaagtt ttgcagcttt c                     461


<210> 793
<211> 108
<212> PRT
<213> Homo sapiens

<400> 793
Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu
                5                   10                  15

Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
            20                  25                  30

Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
```

```
                35                  40                  45

Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
    50                  55                  60

Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
65                  70                  75                  80

Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
                85                  90                  95

Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
            100                 105


<210> 794
<211> 970
<212> DNA
<213> Homo sapiens

<400> 794
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atgacctggt gttgtgtctg atcaccccca cattcctggc tgcccaatgt ggggcaatga 180
agaccccagt gaaggaatgc tagagtgtgt gaaagtggag gacgcatcgt caaaggacac 240
ctgagggcgt ctcaaagaag ctcggcggga gagctgagcg ctcggaagaa ccaagaatca 300
tctcttttga aaaatcgatt catcaaatga atcttcagcc aacaactgtt caagaaggat 360
gcaaatatca cagtgttaga tgaactttct ggttgacacc tgacaggaag agcctctgta 420
ttggaccacc atgtttgtgc tcactgtgta gtaacaaacc aacacaccaa aatagcggga 480
gttgccactg acaaagagtt gaatgatcaa atgacggcca aaggaggagg ttccgagaag 540
tcaagctttg gaggtcacaa aattagcaat agaagctggg ttccgccata tagattctgc 600
tcatttatac aataatgagg agcaggttgg actggccatc cgaagcaaga ttgcagatgg 660
cagtgtgaag agagaagaca tatttctcac ttcaaagctt tggtccactt ttcatcgacc 720
agagttggtc cgaccagcct tggaaaactc actgaaaaaa gctcaattgg actatgttga 780
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tgaaaatgga aaagtaatat ttgacatagt ggatctctgt accacctggg aggccatgga 900
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agctggagat                                                        970


<210> 795
<211> 152
<212> PRT
<213> Homo sapiens

<400> 795
Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys
                5                   10                  15

Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr
            20                  25                  30

Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
        35                  40                  45
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Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
    50                  55                  60

Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
65                  70                  75                  80

Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
                85                  90                  95

Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
            100                 105                 110

Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
        115                 120                 125

Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
    130                 135                 140

Phe Asn Pro Gln Ala Ala Gly Asp
145                 150


<210> 796
<211> 2435
<212> DNA
<213> Homo sapiens

<400> 796
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ccagacagcg tgccccccat cgatgtcctc tggatcaaag gggcccaggg aggtgactac 180
ttctactcct ttggggactg ccaccgctac gcggcctacc agcaactgca gcgagagacc 240
atccccgcca agcttgtcca gtccactctc tcagacctaa gggtgtacct gggagcatcc 300
acacccagcct tgcagtagca gcctccttgg cacctgctgc caccttcaag agcccagaag 360
acacacctgg cctccagcag gctgggccat gcagaaggga tagcaggggt gcattctctt 420
tgcacctggc gagagggtct gactctgggc acccctctca ccagctacaa ggccttggac 480
tcactgtaca gtgtgggagc cccagttccc acctctgtga caataggatc atggccttac 540
ccttgaagca ttaccgagaa ggagaacaga gatgggcttg aagagccacg tgctgccggc 600
tccaaattcc caaggacaag gatccctctg catttttgtc tatgtaacct cttatatgga 660
ctacattcag ctgcaaggaa aggaaaacct tgattgcagt ggtttaaaca aacagaagat 720
tgtttttcca catagcatgg attctggaga tgggtggcta atggcattgg ttcaacaact 780
ccacgaaggt aggggtcacg tcttggatcc ttttgcctta atctcagtgc tcgttacttc 840
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gagagtgaga gtagaagctg aaagacttct tgagttcttg gcctggaact gggactagga 1560
cagtgtcact tctgctaagt tcttttggtc agagcaaatc acaaggcttt acccagattc 1620
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tgtcctggcc ctcagggtct aggggaagag gtgttggggc aggaagtgag tctctccatg 1860
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tcatttaaaa aaaaaaaaaa aaaaaaaaaa aaaaa                            2435
```

<210> 797
<211> 120
<212> PRT
<213> Homo sapiens

<400> 797

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Thr Thr Arg Pro Arg Thr Arg Gly Gln Arg Glu Ser Trp Arg His Leu
                5                   10                  15

Ala Ser Gly Ala Gly Val Gly Leu Gly Thr Ala Gly Ser Arg Pro Asp
            20                  25                  30

Arg Gly Gly Val Gly Gly Glu Thr Arg Ala Ala Leu Ala Arg Ala Pro
        35                  40                  45

Pro Pro Gly Arg Ala Glu Trp Tyr Gly Pro Ala Gly Val Lys Ala Gly
    50                  55                  60

Gly Arg Arg Arg Val Pro Arg Arg Arg Arg Arg Trp Gly Cys Val Gln
65                  70                  75                  80

Glu Glu Arg Trp Ala Gly Pro Ala Arg Val Gly Gly Arg Pro Arg Gly
                85                  90                  95

Pro Gly Arg Ala Ala Ala Arg Arg Ala Ala Ala Ser Thr Arg Ala Ala
            100                 105                 110

Ser Pro Arg Cys Thr Thr Cys Arg
        115                 120
```

<210> 798
<211> 164
<212> PRT
<213> Homo sapiens

<400> 798

```
Pro Arg Val Arg Gly Arg Val Gly Ser Ala Ser His Gly Gly Thr Trp
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```
                5                   10                  15

Arg Ala Glu Pro Glu Ser Gly Trp Gly Pro Arg Gly Arg Gly Arg Thr
            20                  25                  30

Ala Ala Gly Ser Gly Glu Lys Arg Ala Leu Pro Trp His Gly Pro Pro
        35                  40                  45

Pro Pro Ala Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly
    50                  55                  60

Gly Gly Gly Glu Ser Arg Gly Gly Gly Asp Asp Gly Ala Ala Cys Arg
65                  70                  75                  80

Arg Asn Ala Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala
                85                  90                  95

Arg Ala Glu Arg Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His
            100                 105                 110

Arg Arg Gly Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala
        115                 120                 125

Val Arg Val Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro
    130                 135                 140

Gly Gly Pro Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg
145                 150                 155                 160

Gly Pro Gly Arg


<210> 799
<211> 60
<212> PRT
<213> Homo sapiens

<400> 799
His Ala Ser Ala Asp Ala Trp Ala Ala Arg Val Met Ala Ala Pro Gly
                5                   10                  15

Glu Arg Ser Arg Ser Arg Ala Gly Asp Arg Gly Val Glu Ala Gly Pro
            20                  25                  30

Arg Arg Gly Arg Gly Arg Asn Ala Arg Cys Pro Gly Thr Gly Pro Pro
        35                  40                  45

Pro Arg Pro Arg Gly Met Val Trp Pro Gly Arg Ser
    50                  55                  60


<210> 800
<211> 2477
<212> DNA
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<213> Homo sapien

<400> 800
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cgtggggttg tggtcctggc caagagctac aatgagcagc gcatcgagca gaacgtgcag 120
[illegible] [illegible] [illegible] atgaaagcca tagatggcct aaacagaaat 180
gtgcgatatt tgaccctgga tatttttgct ggccccccta attatccatt ttctgatgaa 240
tattaacatg gagggcattg catgaggtct gccagaaggc cctgcgtgtg gatggtgaca 300
cagaggatgg ctctatgctg gtgactggac acatcgcctc tggttaaatc tctcctgctt 360
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tttttcattt tgaaaaaatt aaatgctctc tcctaaagat tcttcaccta ctttggtctc 480
cataacttct atgttttctt tccttctgac acactagtgc ccctaaattg tgatttgcct 540
atacgtttag ggccggggtt ggaagatgtt aacaaccatt taagattcat ttctgcagtg 600
ggagtgggtg gagtttcacc ctctgggaaa ggggccggtg acaggtattt atcagtcagt 660
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agaagtcagg tatgggaagg ctaaatagga cagagtcgag tacatctctg cttggaaaaa 900
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tatttttgaa aaaaaaa 2477

<210> 801
<211> 1619
<212> DNA
<213> Homo sapien

<400> 801
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cccgcgcgcc gagagcctcc gcgaggacag caccgtgtcg ctggtggtgc aggcgctgcg 120
ccgcaacgcc gagcgcaccg acatctgccc gctcaaaggc ggctatgaga ggttttcctc 180

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cgagtaccca gaattctgtt ctaaaaccaa ggccctggca gccatcccac ccccggttcc 240
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ccaggggggt cctgtggaga tccttccctt cctctacctc ggcagtgcct accatgctgc 360
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cccaaaccac tttgaaggac actatcagta caagtgcatc ccagtggaag ataaccacaa 480
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aagtctagtt acagtggatt tagaatatat ttatgttgat gtcaaacagc tgagcaccgt 1560
agcatgcaga tgtcaaggca gttaggaaga attaggtttg aattgctttt taaaaaaaa  1619


<210> 802
<211> 3115
<212> DNA
<213> Homo sapien

<400> 802
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atctcactat gttgcccagg ctcatctcaa gctcttgggc tcaagagatc ctcccacctc 180
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cggcatcatt catcctgact tcaccaagct ccgcctgtgg gtgaggccag agctcccact 1320
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<213> Homo sapien

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<212> PRT
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Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
         35                  40                  45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
     50                  55                  60

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
 65                  70                  75                  80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
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Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
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Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
        115                 120                 125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
    130                 135                 140

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
145                 150                 155                 160

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
                165                 170                 175

Glu Pro Leu Asp Leu Asp Cys Ser Ser Cys Gly Thr Pro Leu His Asp
            180                 185                 190

Gln Glu Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
        195                 200                 205

Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
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Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
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Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
                245                 250                 255

Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
            260                 265                 270

Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
        275                 280                 285

Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
    290                 295                 300

Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
305                 310                 315                 320

Phe Ser Phe Met Gly Glu Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
                325                 330                 335

Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Gly Glu
            340                 345                 350

Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
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Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
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Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu
    50                  55                  60

Phe Cys Ser Lys Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro
65                  70                  75                  80

Pro Ser Ala Thr Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr
                85                  90                  95

Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr
            100                 105                 110

Leu Gly Ser Ala Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu
        115                 120                 125

Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe
    130                 135                 140

Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys
145                 150                 155                 160

Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala
                165                 170                 175

Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile
            180                 185                 190

Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg
        195                 200                 205

Val Arg Leu Glu Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile
    210                 215                 220

Ile Ser Pro Asn Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser
225                 230                 235                 240
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Gln Val Leu Ala Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly
                245                 250                 255

Pro Leu Arg Glu Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe
            260                 265                 270

Val Phe Ser Phe Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser
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Leu Pro Tyr Leu His Ser Pro Ile Thr Thr Ser Pro Ser Cys
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<212> DNA
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<212> DNA
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attagatatt tgacttaaac tatctcaata aagttttgca gctttcacca aaaaaaaaaa 780
a                                                                 781

<210> 809
<211> 160
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<212> PRT
<213> Homo sapiens

<400> 809
Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr
1   5   10   15

Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly
            20   25   30

Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg
        35   40   45

Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg
    50   55   60

His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met
65   70   75   80

Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His
                85   90   95

Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys
            100   105   110

Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly
        115   120   125

Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys
    130   135   140

Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
145   150   155   160

<210> 810
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n=A,T,C or G

<400> 810
atganaagga gatgacacaa aagttagatc tcatcacaag tgatttggca gattaccagc 60
agcccctcat gatnggcacc gggacagtca cgaggaaggg ctccaccttc cggcccatgg 120
acacggatgc cgaggaggca ggggtgagca ccgatgccgg cggccactat gactgcccgc 180
agcgggccgg ccgccacgag tacgcgctgc ccctggcgcc cccggagccc gagtacgcca 240
cgcccatcgt ggagcggcac gtgctgccgg cccacacgtt ctctgcgcag agcggctacc 300
gcgtcccagg gccccagccc ggccacaaac actccctctc ctcgggcggc ttctcccccg 360
tagcgggtgt gggcgcccag gacgggagct atcaaaggcc acacagcgca cagcctgcgg 420
acaggggcta cgaccggccc aaagctgtca gcgccctcgc caccgaaagc ggacaccctg 480

```
actctcagga gcccccaacg catcccggga caagtgacag ctattctgcc cccagagact 540
gcctcacacc cctcaaccag acggccatga ctgcccttct gtgaacacaa tgtgaaagaa 600
gcctgctgtg gtactgagcg tcgg                                        624
```

```
<210> 811
<211> 572
<212> DNA
<213> Homo sapiens

<400> 811
agcggcctgt gaggacgctc tgggccaggc tgcagcgcga gcgttccgag ctgctgggct 60
ctttcgagga tgttctgata cgcgcgtcgg cctgcctgga ggaggcggcc cgggagcgcg 120
acggcctgga gcaggcgctg cggaggcgcg agagcgagca cgagagggag gtgcggcgtc 180
tgtacgagga gacggagcag cttcgggagc agagccggcg cccgccgagt cagaacttcg 240
cccgcgggga gcgggcaagc cgtctggagc tggagctgca gatccgcgag caggacctgg 300
aacgcgcggg cctgcggcag cgggagttag agcagcagct gcacgcccag gctgcggagc 360
acctggaggc acaggcccag aactcccagc tgtggcgggc gcacgaggcg ctgcgaacgc 420
agctggaggg ggcgcaggag cagatccgca ggctggagag cgaagcacga ggccgccagg 480
agcaaaccca acgagacgtg gtcgccgtct ccaggaacat gcagaaagag aaagtcagcc 540
tgctacggca actggagctg ctcagggagc tg                               572


<210> 812
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(594)
<223> n=A,T,C or G

<400> 812
cggaagttgg cgcagcgcgg ttgccaatgg tcgctccctg atttnatgcc gctcgtggtg 60
ttttgcgggc tgccgtacag cggcaagagc cggcgtgctg aagagttgcg cgtggcgctg 120
gctgccgagg gccgcgcggt gtacgtggtg gacgacgcag ctgtcctggg cgcagaggac 180
ccagcggtgt acggcgattc tgcccgtgag aaggcattgc gtggagctct gcgagcctcc 240
gtggaacggc gcctgagtcg ccacgacgtg gtcatcctgg actcgcttaa ctacatcaaa 300
ggtttccgtt acgagctcta ctgcctggca cggcgggcgc gcacccggct ctgcctggtc 360
tactgcgtac ggcccggcgg cccgatcgcg ggacctcagg tggcgggcgc gaacgagaac 420
cctggccgga acgtcagtgt gagttggcgg ccacgcgctg aggaggacgg gagagcccag 480
gcggcgggca gcagcgtcct cagggaactg catactgcgg actctgtagt aaatggaagt 540
gcccaggccg acgtacccaa cgaactggag cgagaagaat ccgggctgcg ggag       594

<210> 813
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
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<223> n=A,T,C or G

<400> 813
tctgacacac gagaccggtt atcccatctc cgcgcccctc tgtgggtatt acacagccac 60
tagatgaagc caaacattgt tggaggtact gaaatcttag actccaccat gtgtccagga 120
ncccattgac gtcctctctt ctgaaaactc cgtgtggccc tcgctctgca ctgtcatgag 180
gcggtgatgg agctagatac ccaccacgga caatgatcat cagctttggg ttctctgggt 240
ctcacaggga cgcacattct aggggtagca cgacactccc cctctagttg ctccacacaa 300
acgggatctc tcatccaggc gatacgtctg gtcctgtggc atgtggctct cnacgaaaca 360
ccagggangc attatgttgg ggacttcctg gggctctgct ggtctctgct ccgacacgga 420
ttaatccgaa atgtgttaan tcgancacat gggtccacgt ccaggacagc tcccatcgaa 480
ctctcnaggc tctctanctc agggatgaag gaggtnaagt gatcgatcct cacaagcgan 540
agctctcgcn cnatatctgc g                                            561

<210> 814
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(307)
<223> n=A,T,C or G

<400> 814
cntcgnggng ttggttgtgt ggcntnttct cgggtgattg ggtgnnatta ctggacccaa 60
ccnncgtgga aanggctggg nncgcggccg ntctngcaga agtatcccga tttttttttc 120
tttttttttt tttttggngg agggaaantt ncagacatag ctttattgct gactcctgcc 180
cccttcanag ccctagtcac aggcnncagg gntgttttgt aanttaaant ttcnggaaaa 240
tnggngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
nttaccc                                                            307

<210> 815
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n=A,T,C or G

<400> 815
ggcacgagat ataatcagac tcttactcct gtacttctag aaatgatgca aacacttcaa 60
ggacccacaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120
gttggattaa gctgcttatg agttctttga cagtgttgat tttgatcagt ggtttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggtat aagccattgc gacgcagggt 240
gatttggctc atcggtcagt ggatttctgt gaaattcaag tctgacttaa gacccatgct 300
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
acaacttgga agttaactgt tgatgatttt gaatttagaa cagatcagtt tctaccgtat 420
ttggaaacca tgttcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcatgt cctttcttgt gtgatcgaaa gagtccacat gcagatacga 540
ccatatgtgg gatgtttggt acaatatttg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta ttttgaccac acttattcat cttggtcagg gattangagc 660
agacagcaag acctgtccct ttcctgctcc agttattcac tgagtaccag atgtttcaca 720
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gccttcncat gtttattttt ctggaaaatg ggttaaaaat atnggtanga accttgggca 780
aaac                                                              784

<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(813)
<223> n=A,T,C or G

<400> 816
ggcacgagca ggctgggaag aagtccttgc ttctcaaggc cacgtaccgg ccgcgtcctt 60
ccacccttgc cctttaaacc acagatgcca aatgatacgc caacagacac tacattcccc 120
agcagctgct gccagagccc tcttgtagct tctttatttt ctgtttcttt ccagctttcc 180
taccctccta tccccccttg tgtttgggcc acaattttga aataattttt attataggta 240
tgtgctgcca aagccagatt tttataaggt aaaataaatt aagaatttaa acagtaaaag 300
ccagtgtctc aaaatgtcag cattaaaatg tgaagggcac agcagggtgt gaaccggaaa 360
cacacattgc caaacagttg ccaactgaac tgctgcttct catggtccgt tcttttcttt 420
gccctaaggg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtggttt 480
gtcgtgaggt ctgcttgtat ctcttcactg gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tgggggcggg gagggggccg ggaatagtca gctggcttta ccaccttcag gatctcgaat 660
tgggcgcttg aacctaagaa agattgtgga cttatcaaaa gtcaccgctc agtgttcgtc 720
aagcatgtat ttatgtgacn atcatactag gggggggatg gttgggaatt cttccatgtg 780
caaatttngn cccgcaanaa gcaaaactgg ngt                              813

<210> 817
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(229)
<223> n=A,T,C or G

<400> 817
gaaactttta cattaatgat ttattaaaan aaacaactcc ttgtcccact ccactgngct 60
gcttgtaatc tccatacatg gcctccattt tcaactgttt tcttggtcac anagctccaa 120
acanacacat tttttttccc aggtaaaagc tgtttttagt ttgtagtaca aatgtgactg 180
catccaatac tgacacattg ttcctttggc ccacagtccc antcaccac             229

<210> 818
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n=A,T,C or G
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<400> 818
ggcacgaggt gtgtgtgtgt gtgtgtgtgt aacacatggg cattggtcct tccaggacaa 60
cttggttagg gctccagggt ggcctcccag gcaggaacag gcttttttcc tcctgtcttt 120
tcctcacatc acgtcctgcc ccaggtcact gcataaataa gtgctttgga aagtattcat 180
ctagaaagta acataaatac tgtacatgga aaagggttgc cgccccttag ccttcgcact 240
gccccagaga gctctccaca tattgcacac ggcctcccca gccctgtggg gtccaggcct 300
ggctgtgtct ttggtagaag cttcagggac agttcctggg cagcccccac atctncaccc 360
tgctcccaaa ggggagctct agggtagtca gtgggtacca gaagccttgc tcggcctcgc 420
tcgtggcctt ctaccangga tgctttcaca aggatgagac agaatcccaa tggtatgccc 480
ctgcttggac actctgctca aggtctgcat gtggcctggg aggagacagg caggctgang 540
gcaggtggac aggtgantcc tggcccacna aggcaggctc acacccttca cangaatagg 600
tggtttgagc tgtcatctcg gcccacggtc tcctnntgcg ccaccccccc ttnntgaatc 660
gnaantcctc aaanccctta ccaccacttg atgaccnanc atttttangg cctggcttga 720
aggngggggc cttnggcccc ccnaaggggg aaatnccccc ggnngaatnc ccaangggga 780
a                                                                 781

<210> 819
<211> 199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(199)
<223> n=A,T,C or G

<400> 819
cnnngtggaa angggtgggn nngcgggcgt tttcgnngta gtatcgcgnt tttttttttt 60
ttttngtggg aggttntgcn gtntttgntt gctctctcaa attccaggaa ttgacttatt 120
taattaatgc ctgcaacctg tgctcgcaaa tatttgnaca aaacnanttg tgttggngat 180
gttctttcgg gtcgggcag                                              199

<210> 820
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n=A,T,C or G

<400> 820
nanggcccga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agacagtnct ntgtgtgtct ctctgtctcn aagtacncnc tgaggnatct gntntctgtn 180
tntgngtaca ccgtatctct cntggncata t                                211

<210> 821
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<222> (1)...(952)
<223> n=A,T,C or G

<400> 821
nnntcaggct cctggatgag ccctgcgana gagggtggca gcacggagag agctgctgga 60
[illegible] 120
cagcaccaag acgaaatggg aaactacatg tccccaggtt cgaggctgca ggggcagact 180
ctggtgtgaa caggggggat gtgaccacct aaggaaaagg tcacacctgt cttggtatca 240
ggggctcaag agctctcaaa aatgtaaggg gccgacagtc ccctgcccca ggcctgatca 300
cacctccagg gtcatgaggt cagagtcaag tgcagaggtt tttaaacata accaaaattt 360
caggagaggc caattcttac ttgaaagagc aacaccctgg ggcgctgctt gccattactt 420
cctcatcttt agcaacacat ttgcttttca aggtgttcct tgtggaaaca cacatacaca 480
tagacacatg cccctcagat gtcccctgcc ccctgattag tagaatctgg ggtttccaca 540
atgagcagaa actgatccaa ttttggttaa gtttgagaag ccctctgaat ttgggtggtt 600
ggcccaatgt aaatacttcc gcagagatgg agggcattca aaacaggttc tgaaaggatc 660
cagcctatct tggactttgt tctggaancc anggattcag cnttggccac ctgtgccagg 720
cttgccaggc ctggtgtgaa cncccaaant ggcagcaaaa acaacanaca gccnctgcac 780
tttggntggg ccaacgtttg gcctnaacaa atctngcggg ttgggatctt cttgntttcn 840
cncccagggg accnaaaacc tccntacntg naataaccnt ttttttttnn aaccntttan 900
ccantgggnt tnccnaaaaa acttgncccc ttttttttnc caanggnaaa at 952

<210> 822
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n=A,T,C or G

<400> 822
gccacgcgaa ctagtctcga gttttttttt ttttttttta acatttctga attttattat 60
ttttagggaa gacacgcagt ttcacaagaa acaatgattt ttctcaaacs atagaaaaaa 120
acgtcttttt gaaaaatcca ctgtcttaga tgaaaagtct acccagcaag cactggggca 180
gttctgagag tagaaaccag tgtggtggaa gttacttata ggaagttcag tgcagaggtc 240
tccacaagtc ctgattagtt ctgnaaggct ccattgggcc agctcagggt aacagtggga 300
atgagctcac agacaaaggc aggcaccagt tcctntgccc gggatgcagg ctggctcact 360
ccccangcgg ntgcatcttg cttcagactc atcaaactgc tgctgtccan ctccgncctg 420
actntgttga gaacatanaa ctctgctctc tggctttgct tcanctcctg gtgggcnnaa 480
ttctgcttag cctttctncac tntgaaggnt gggtctttaa ctcttggatt tttttttccn 540
ggcaggggga accatgaatg gggtacatac ccacncnggg ntttggc 587

<210> 823
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n=A,T,C or G

<400> 823
ntcnatncct actangncaa actgactccg ccctnagnca cctngtggtc canggctgcg 60

gagctgcgat acagccttcc gcgggtctgn tcgaaccccg acctntcntg gtgtntntcc 120
ntcccncncc ccaacccgcc aagggcctgc ctttcctnct gggcctttgc cagcgntcgg 180
ccanaccggg gccaaaccgg nccccgggca cattttaacc nagggcncnc ttntagaana 240
aaacccgggn tgatgttata aagg 264

<210> 824
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n=A,T,C or G

<400> 824
tcaagcngcc cccantntga tggatatctg caaaattcnc cctttcaccg gccgcccgcn 60
gcatgtctta ttatacaaca natccaactt ccctaagngg ntcacacatn ntaaggtatt 120
gttaacaaaa taggaaantc tattngaact aacaatcatc tctttgaatc tgcntatccc 180
cttaaaagca ttttcctcaa tattcctcat atcggttatg gncaatggat acccatctga 240
gctggttgan ccctttaaat tnattatact taactttttg aaggctgtta tacccaaggg 300
acaaacctaa ncaaccanca gatatacttg angggtntcc ctgtnatttc tcagattcca 360
atataccatt ttgccttnac acctacagcc cttaggggca tcctcnttcc ncanaacaaa 420
ncattntcac taagacagnc tggggtnntn caccaatggc taccaaacct ctgnccgcna 480
cccaccgcnt aaangccnga aattnccnan ccccacgggt 520

<210> 825
<211> 2064
<212> DNA
<213> Homo sapiens

<400> 825
cggtgcgctg agcgccggag gagcgtaggc agggcagcgc tggcgccagt ggcgacagga 60
gccgcgcgac cggcaaaaat acacgggagg ccgtcgccga aaagagtccg cggtcctctc 120
tcgtaaacac actctcctcc acgggcgcct cccccttcgc tctgcgcgcc gcccggctgg 180
gcgccggagg ccgccccgac tgctatgtga ccgcgaggct gcgggaggaa ggggacaggg 240
aagaagaggc tctcccgcgg gagcccttga ggaccaagtt tgcggccact tctgcaggcg 300
tcccttctta gctctcgccc gcccctttct gcagcctagg cggcccgggt tctcttctct 360
tcctcgcgcg cccagccgcc tcggttcccg gcgaccatgg tgacgatgga ggagctgcgg 420
gagatggact gcagtgtgct caaaaggctg atgaaccggg acgagaatgg cggcggcgcg 480
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tgtaacacca tcgtgcggcg gcgggctaag ggctccgtga gcctggagca gatcctgccc 660
gccgaggagg aggtacgcgc ccgcttgcgc tccggcctct actcggcggt catcgtctac 720
gacgagcgca gcccgcgcgc cgagagcctc cgcgaggaca gcaccgtgtc gctggtggtg 780
caggcgctgc gccgcaacgc cgagcgcacc gacatctgcc tgctcaaagg cggctatgag 840
aggttttcct ccgagtaccc agaattctgt tctaaaacca aggccctggc agccatccca 900
ccccggttcc cccccagtgc cacagagccc ttggacctgg gctgcagctc ctgtgggacc 960
ccactacacg accgggggcg tcctgtggag atcctttcct tcctctacct cggcagtgcc 1020
taccatgctg cccggagaga catgctggac gccctgggca tcacggctct gttgaatgtc 1080
tcctcggact gcccaaaccc ctttgaaggc cactatcagt acaagtgcat cccagtggaa 1140
gataaccaca aggccgacat cagctcctgg ttcatggaag ccatagagta catcgatgcc 1200
gtgaaggact gccgtgggcg cgtgctggtg cactgccagg cgggcatctc gcggtcggcc 1260
accatctgcc tggcctacct gatgatgaag aaacgggtga ggctggagga ggccttcgag 1320
ttcgttaagc agcgccgcag catcatctcg cccaacttca gcttcatggg gcagctgctg 1380

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cagttcgagt cccaggtgct ggccacgtcc tgtgctgcgg aggctgctag cccctcggga 1440
cccctgcggg agcggggcaa gacccccgcc acccccacct cgcagttcgt cttcagcttt 1500
ccggtctccg tgggcgtgca ctcggccccc agcagcctgc cctacctgca cagccccatc 1560
accacctctc ccagctgtta gagccgccct ggggccccca gaaccagagc tggctcccag 1620
caagggtagg acgggccgca tgcgggcaga aagttgggac tgagcagctg ggagcaggcg 1680
accgagctcc ttccccatca cttctccttg gccaagagcg aggccagcca gaatggcaat 1740
aaggactccg aatacataat aaaagcaaac agaacactcc aacttagagc aataacggct 1800
gccgcagcag ccagggaaga ccttggtttg gtttatgtgt cagtttcact tttccgatag 1860
aaatttctta cctcattttt ttaagcagta aggcttgaag tgatgaaacc cacagatcct 1920
agcaaatgtg cccaaccagc tttactaaag ggggaggaag ggagggcaaa gggatgagaa 1980
gacaagtttc ccagaagtgc ctggttctgt gtacttgtcc ctttgttgtc gttgttgtag 2040
ttaaaggaat ttcatttttt aaaa                                        2064

<210> 826
<211> 2109
<212> DNA
<213> Homo sapiens

<400> 826
tggcgccagc ggcgacagga gccgcgcgac cggcaaaaat acacgggagg ccgtcgccga 60
aaagagtccg cggtcctctc tcgtaaacac actctcctcc accggcgcct ccccctccgc 120
tctgcgcgcc gcccggctgg gcgcccgagg ccgctccgac tgctatgtga ccgcgaggct 180
gcgggaggaa ggggacaggg aagaagaggc tctcccgcgg gagcccttga ggaccaagtt 240
tgcggccact tctgcaggcg tcccttctta gctctcgcct gcccctttct gcagcctagg 300
cggcccaggt tctcttctct tcctcgcgcg cccagccgcc tcggttcccg gcgaccatgg 360
tgacgatgga ggagctgcgg gagatggact gcagtgtgct caaaaggctg atgaaccggg 420
acgagaatgg cggcggcgcg ggcggcagcg gcagccacgg caccctgggg ctgccgagcg 480
gcggcaagtg cctgctgctg gactgcagac cgttcctggc gcacagcgcg ggctacatcc 540
taggttcggt caacgtgcgc tgtaacacca tcgtgcggcg gcgggctaag ggctccgtga 600
gcctggagca gatcctgccc gccgaggagg aggtacgccc ccgcttgcgc tccggcctct 660
actcggcggt catcgtctac gacgagcgca gcccgcgcgc cgagagcctc cgcgaggaca 720
gcaccgtgtc gctggtggtg caggcgctgc gccgcaacgc cgagcgcacc gacatctgcc 780
tgctcaaagg cggctatgag aggttttcct ccgagtaccc agaattctgt tctaaaacca 840
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        35                  40                  45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
    50                  55                  60

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
65                  70                  75                  80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
                85                  90                  95

Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
            100                 105                 110

Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
        115                 120                 125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
    130                 135                 140

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
145                 150                 155                 160

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
                165                 170                 175

Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr Pro Leu His Asp
            180                 185                 190

Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
        195                 200                 205

Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
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Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
225                 230                 235                 240

Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
                245                 250                 255
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Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
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Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
        275                 280                 285

Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
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Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
305                 310                 315                 320

Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
                325                 330                 335

Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Arg Glu
            340                 345                 350

Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
        355                 360                 365

Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
    370                 375                 380

His Ser Pro Ile Thr Thr Ser Pro Ser Cys
385                 390
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